

1/76

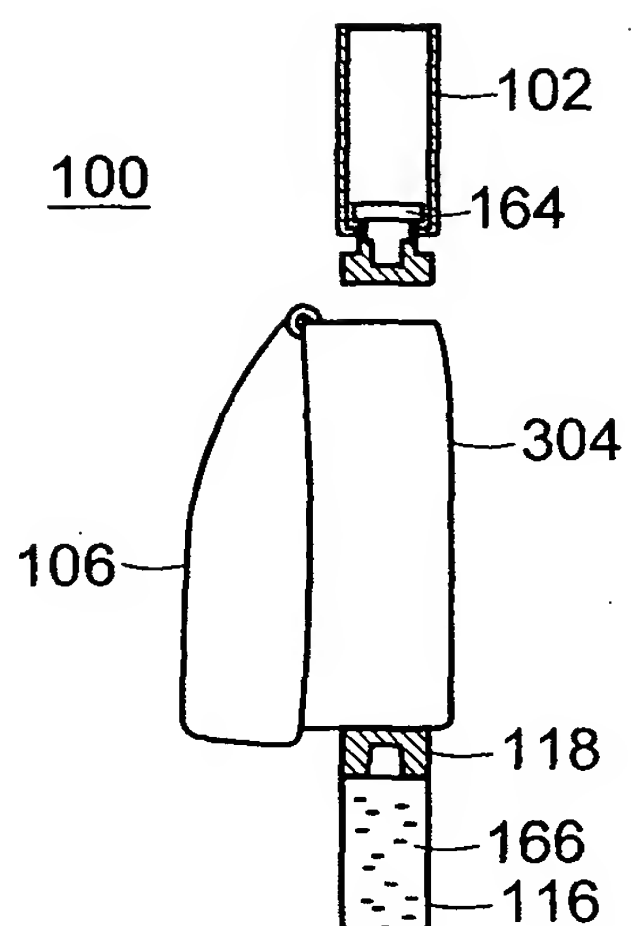


Figure 1A

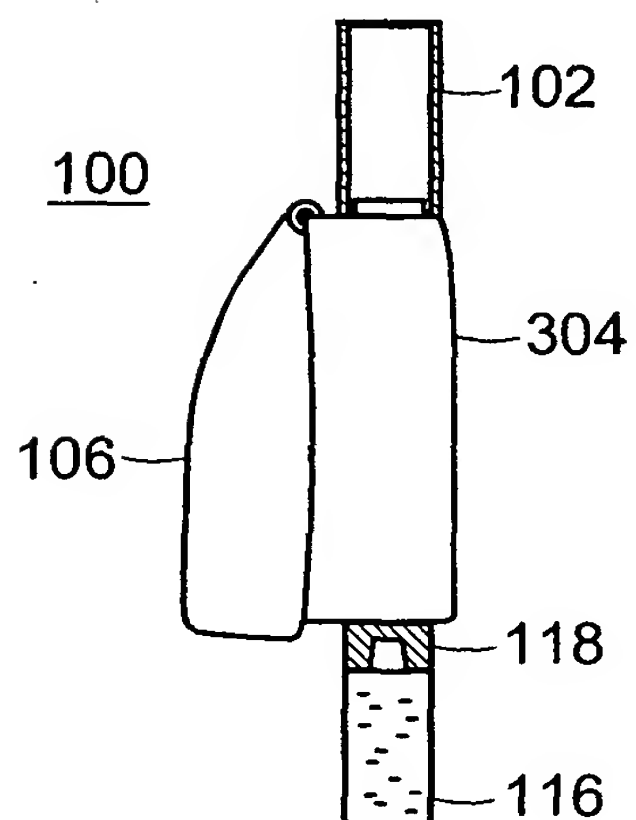


Figure 1B

2/76

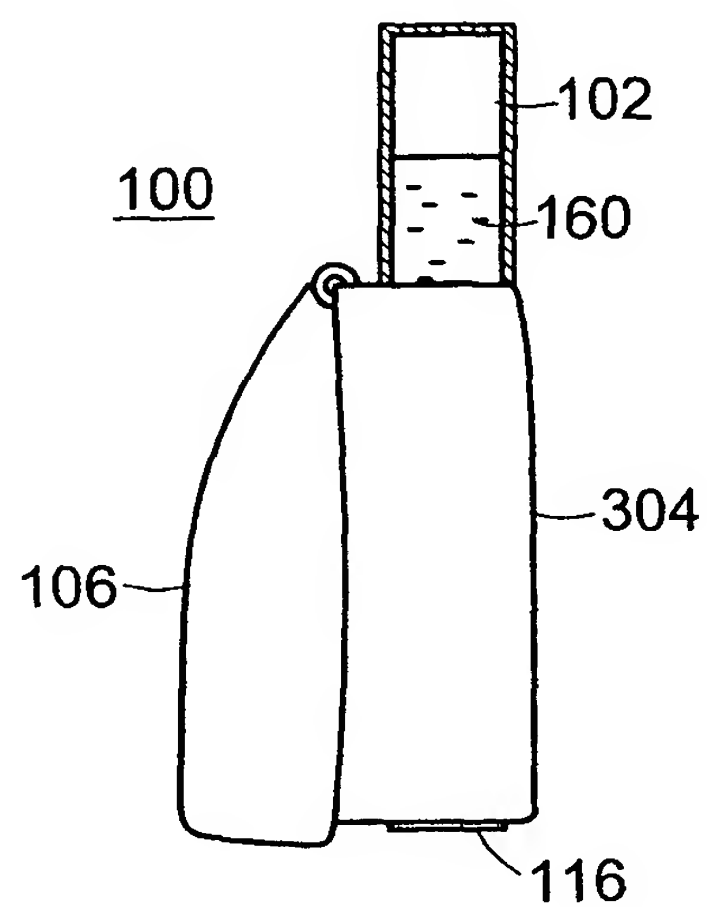


Figure 1C

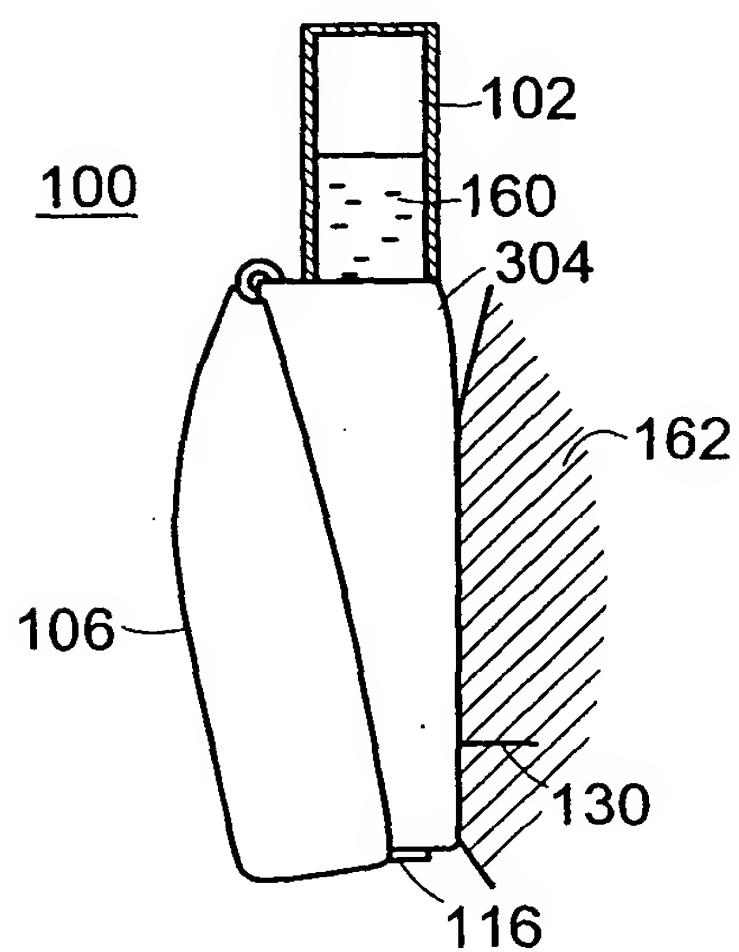


Figure 1D

3/76

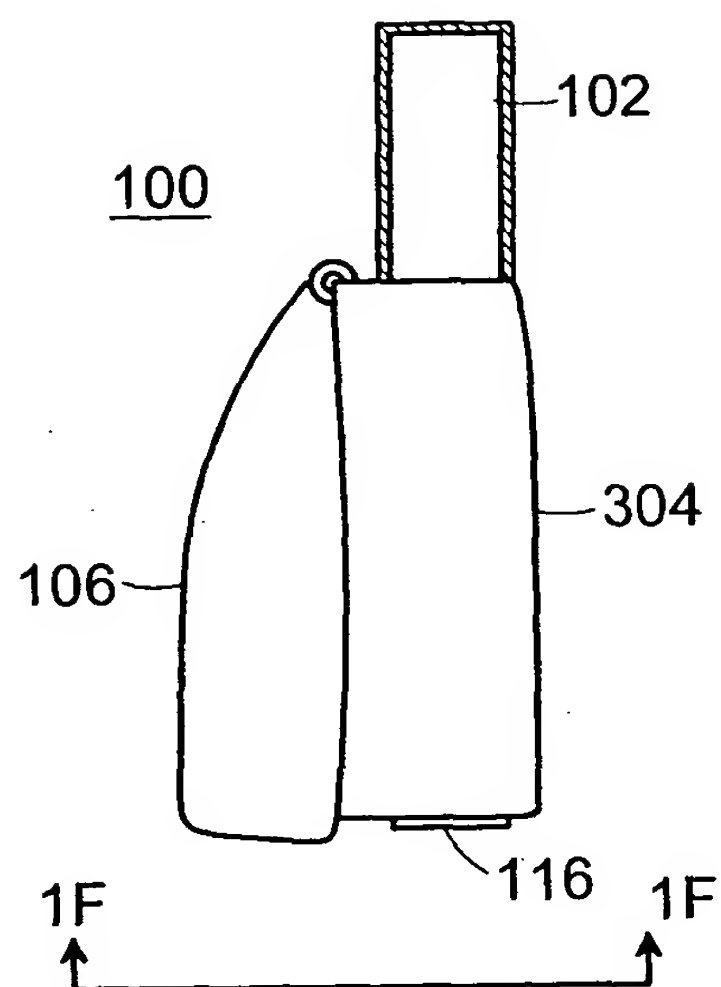


Figure 1E

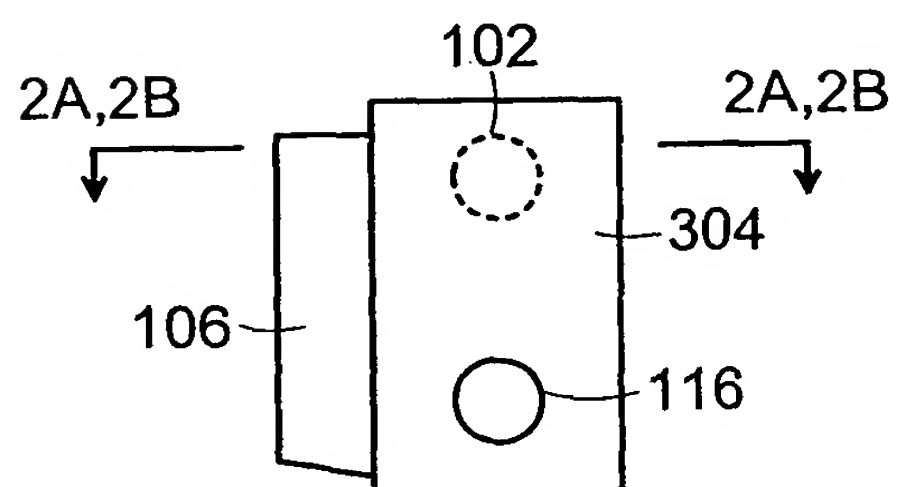


Figure 1F

4/76

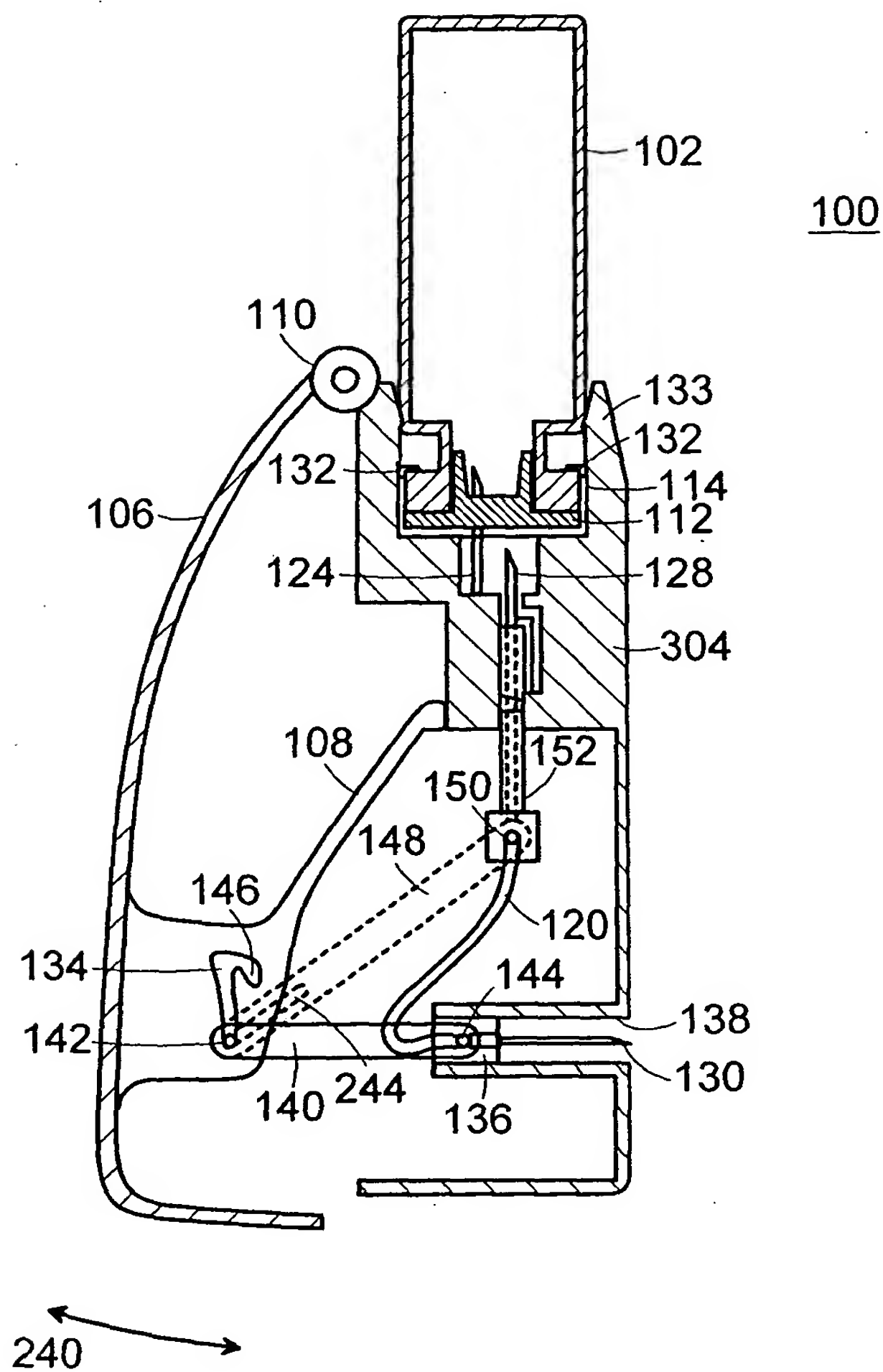


Figure 2A

5/76

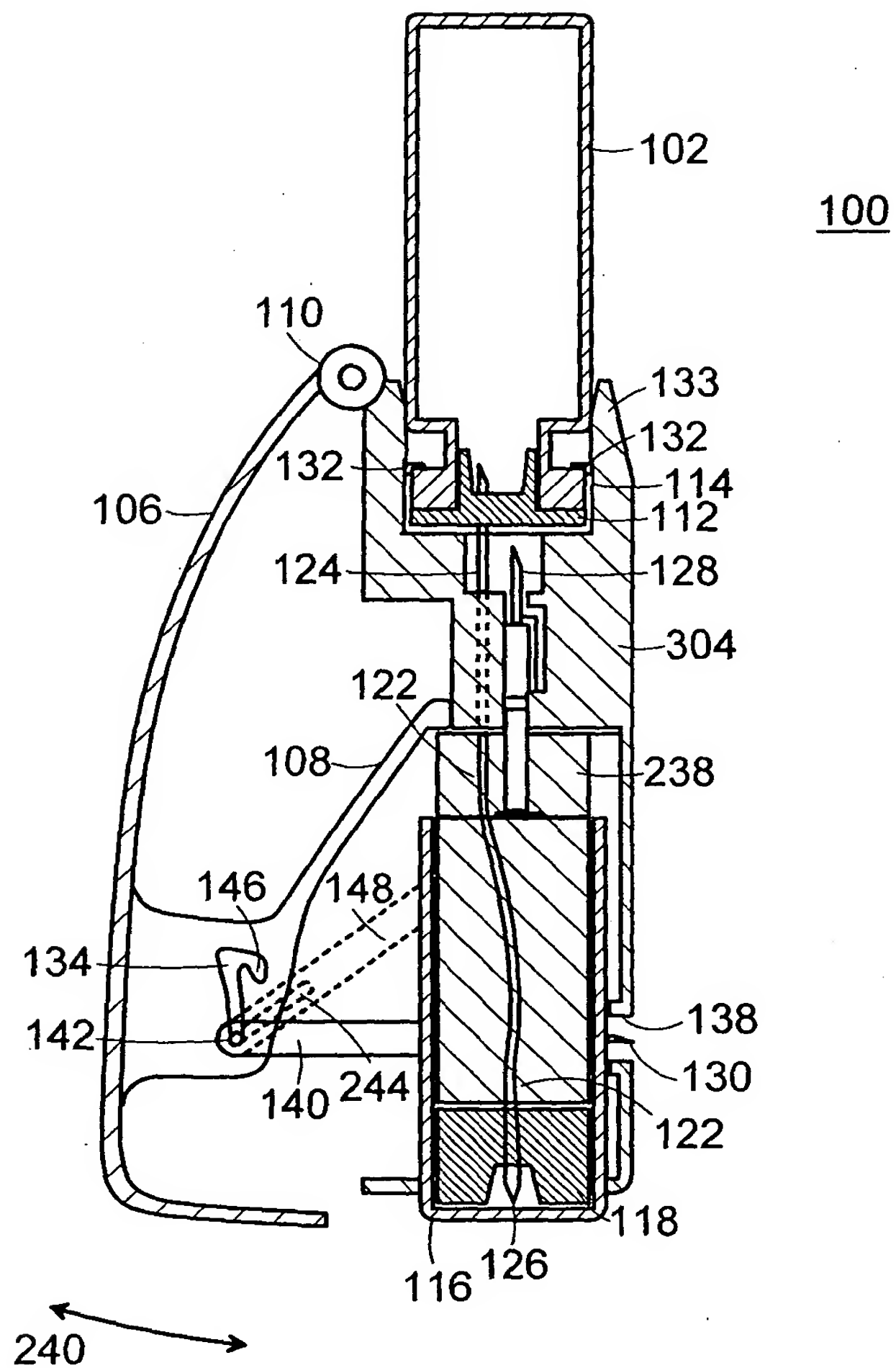


Figure 2B

6/76

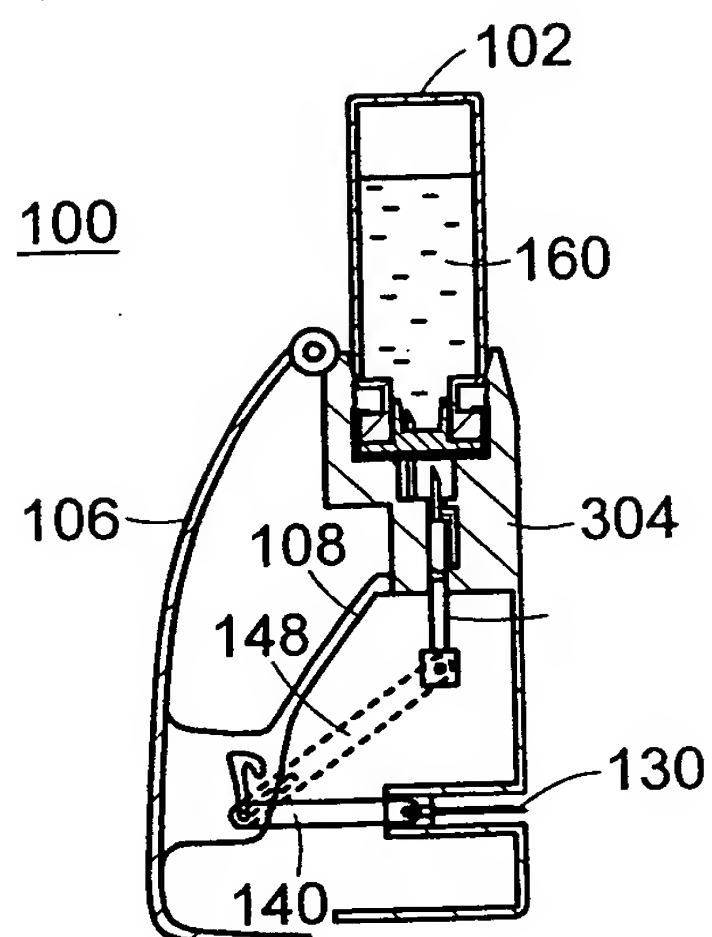


Figure 3A

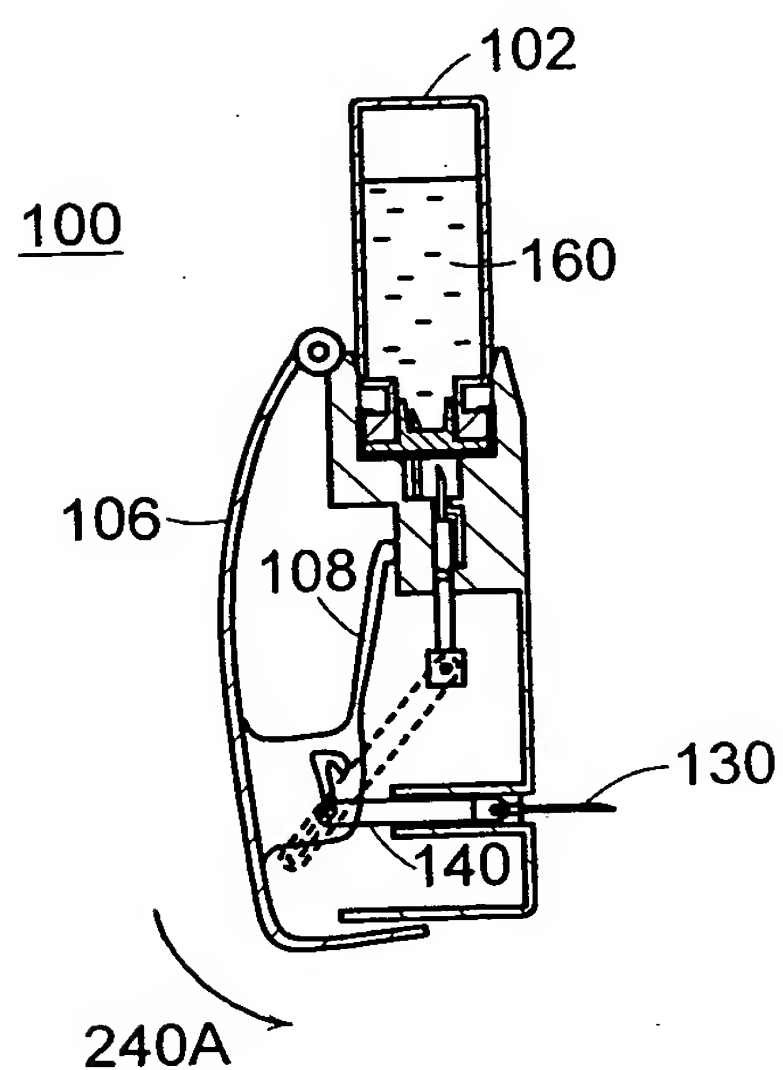


Figure 3B

7/76

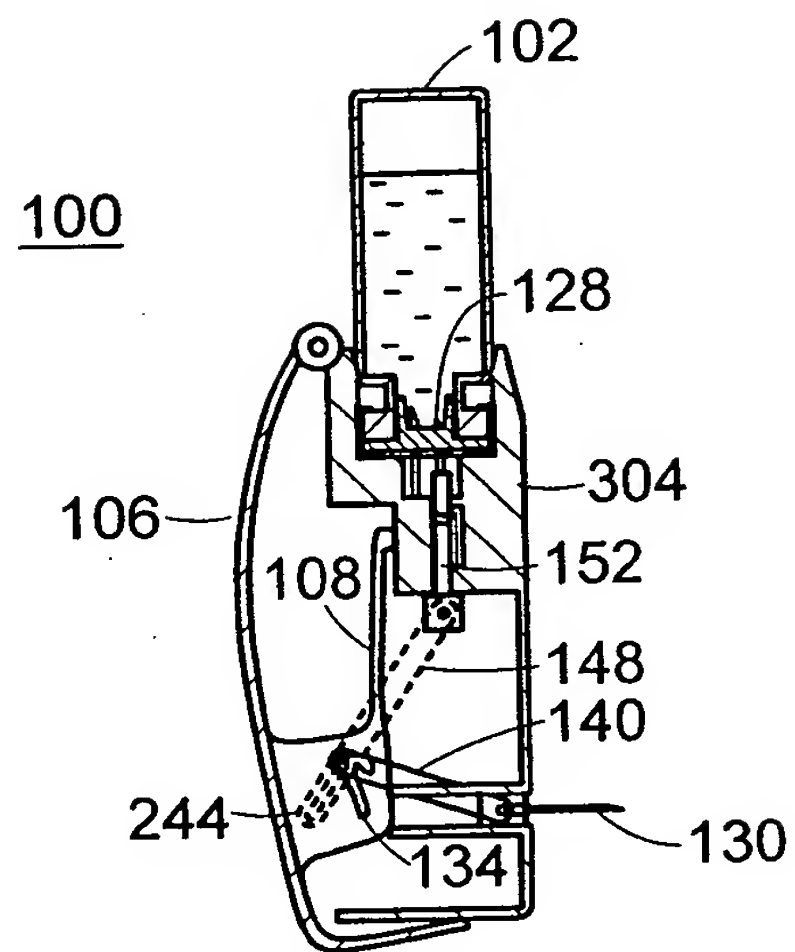


Figure 3C

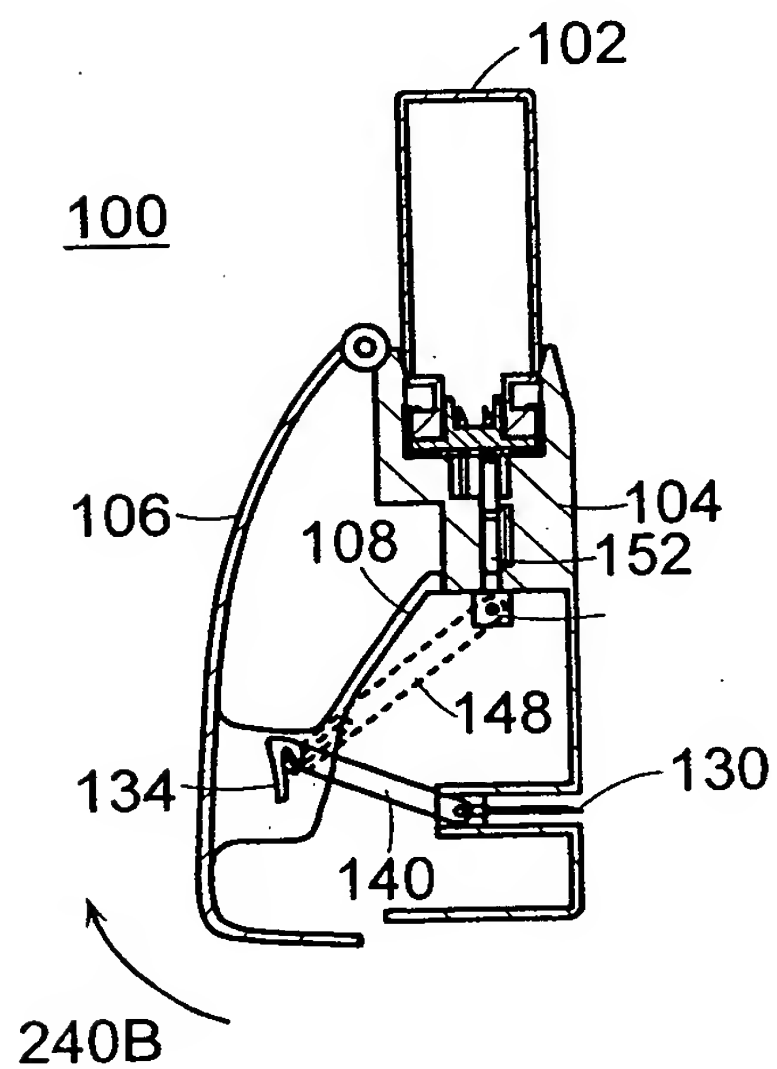


Figure 3D

8/76

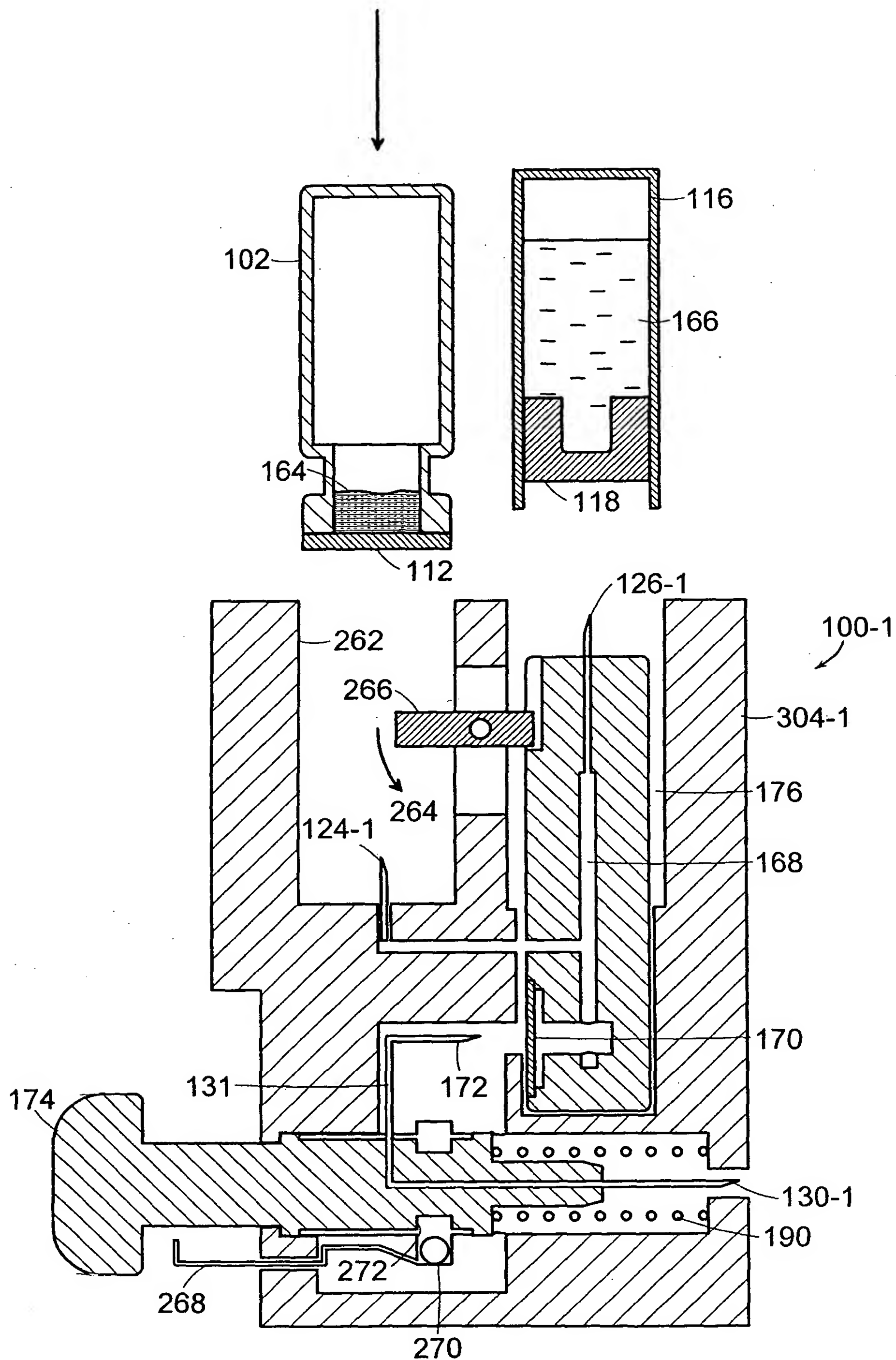


Figure 4A



9/76

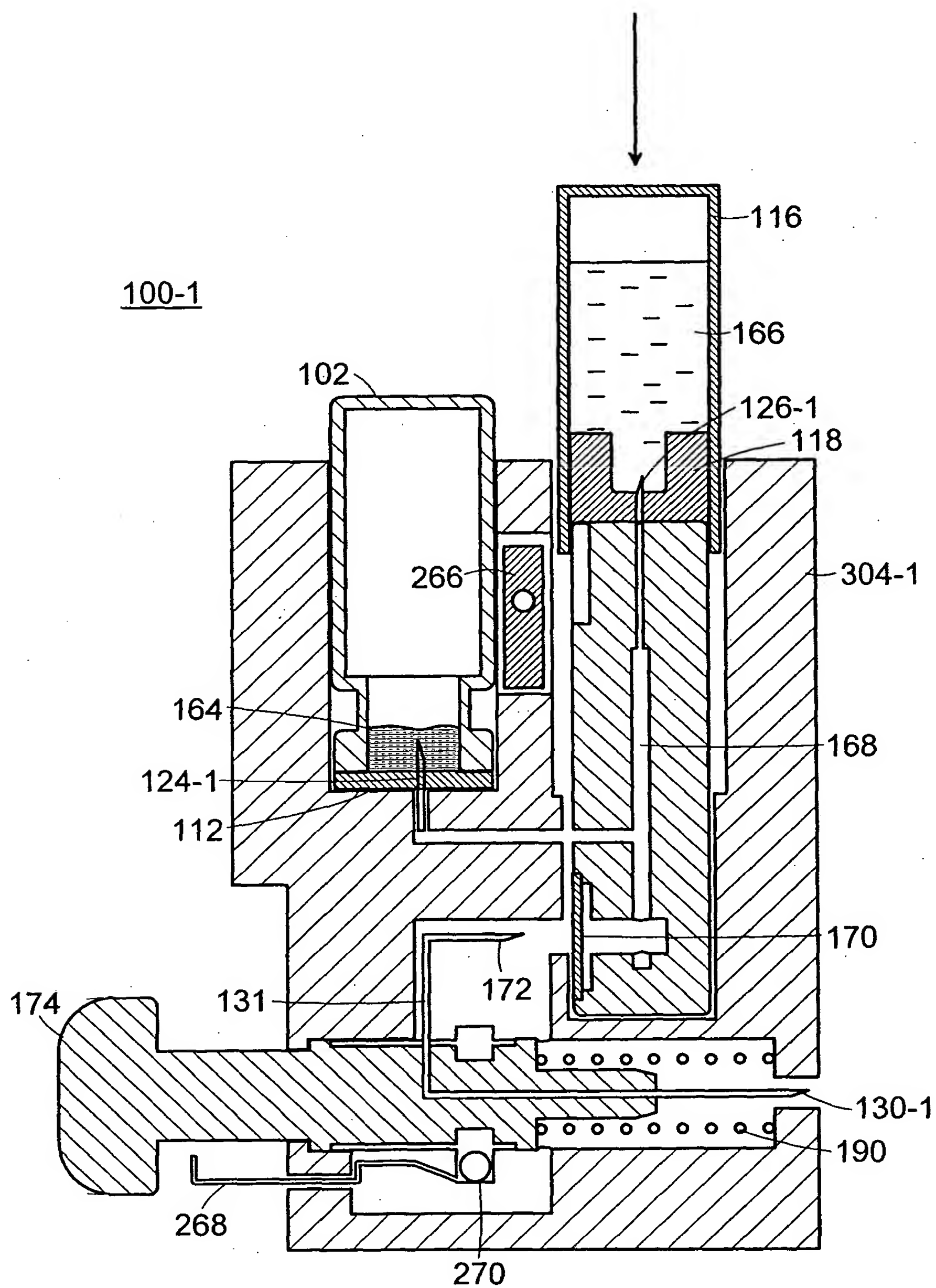


Figure 4B

10/76

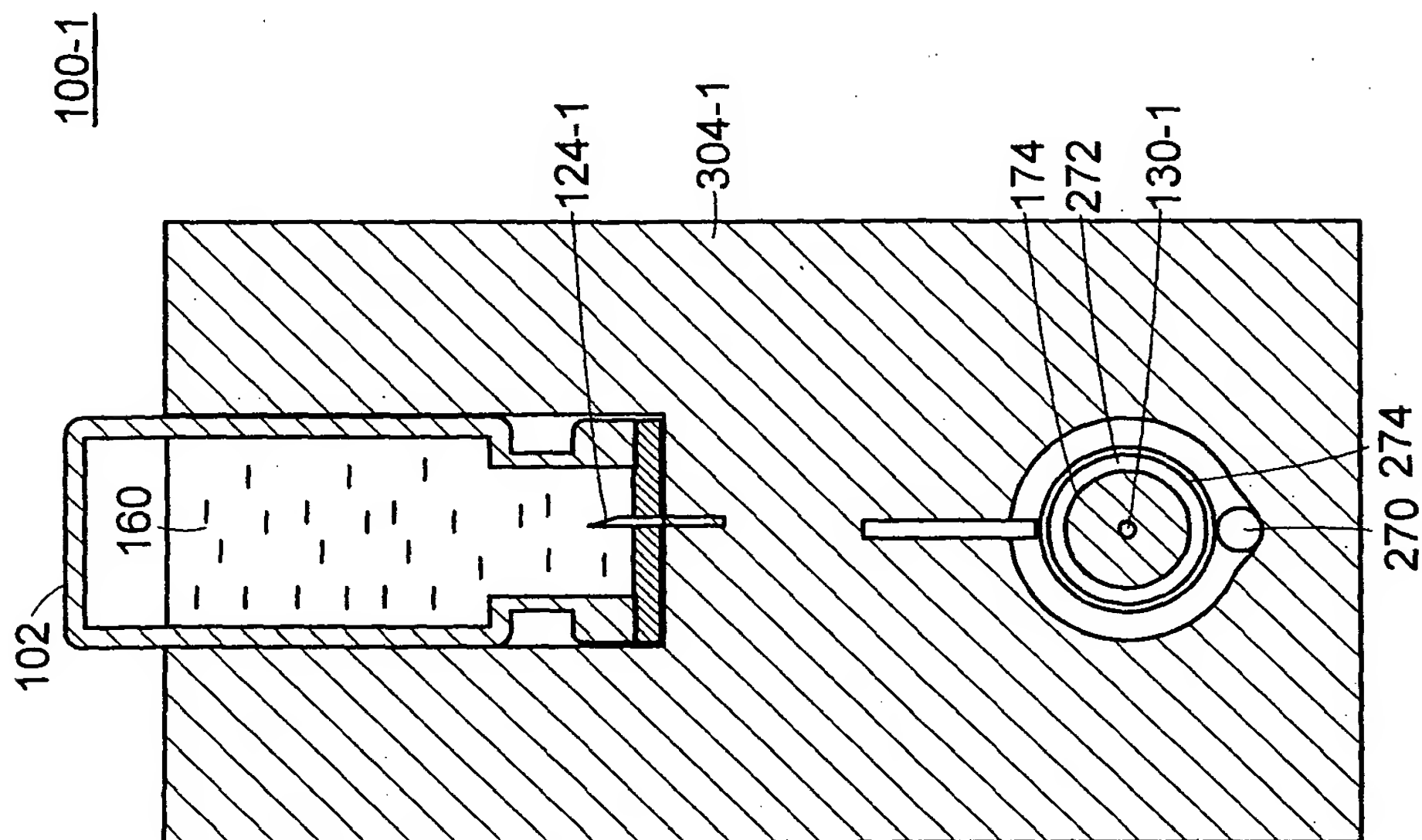


Figure 4D

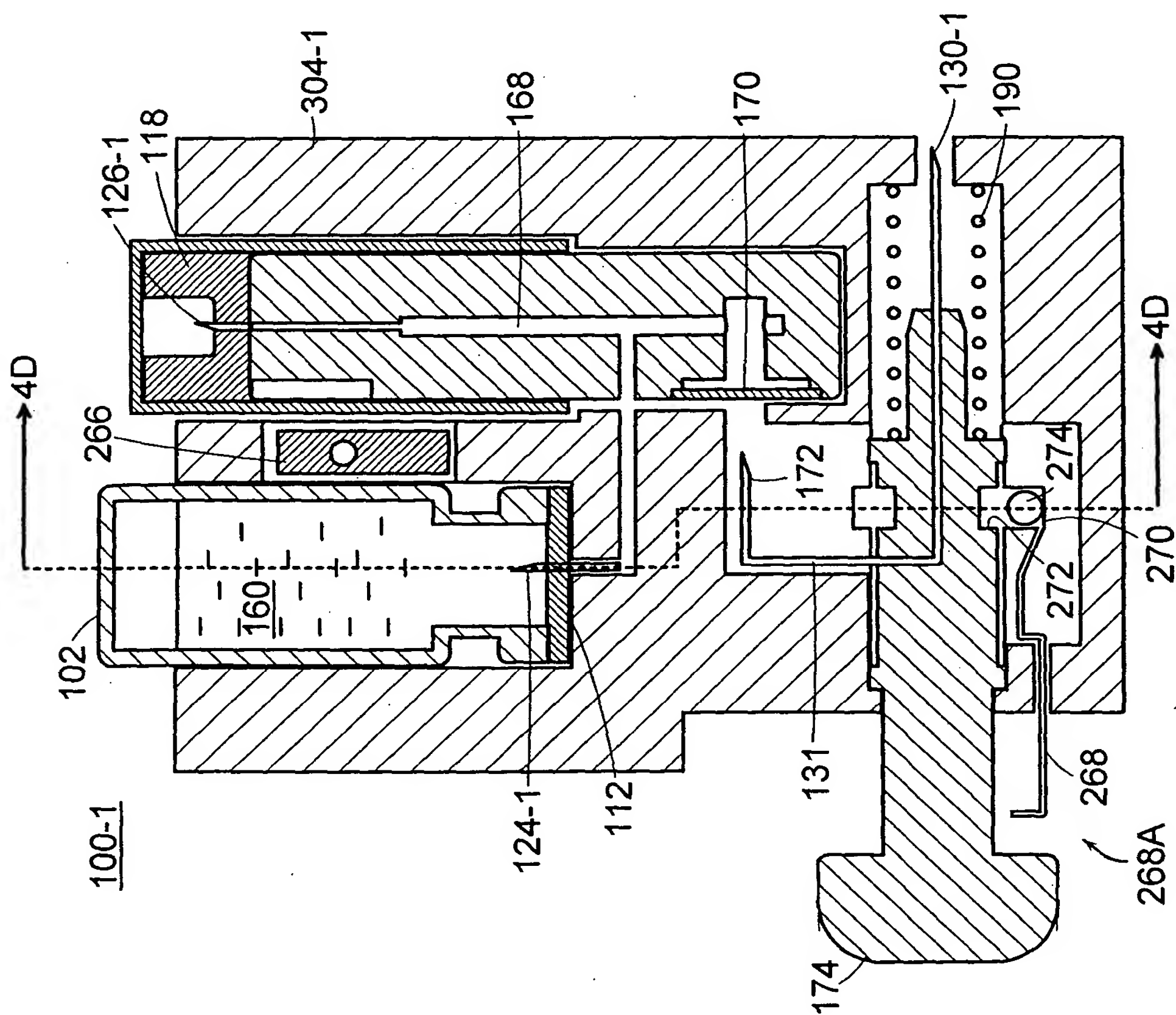


Figure 4C

11/76

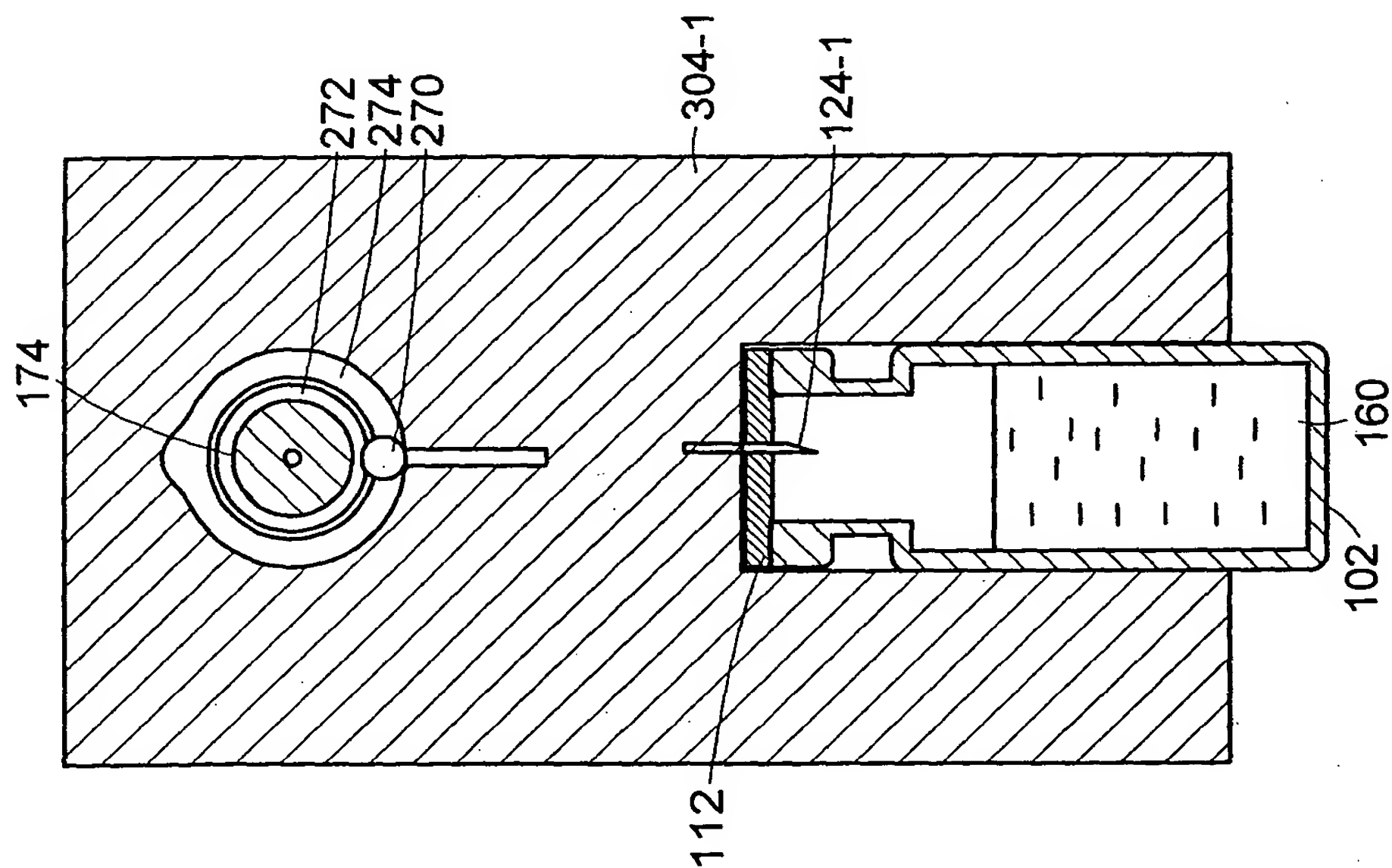


Figure 4F

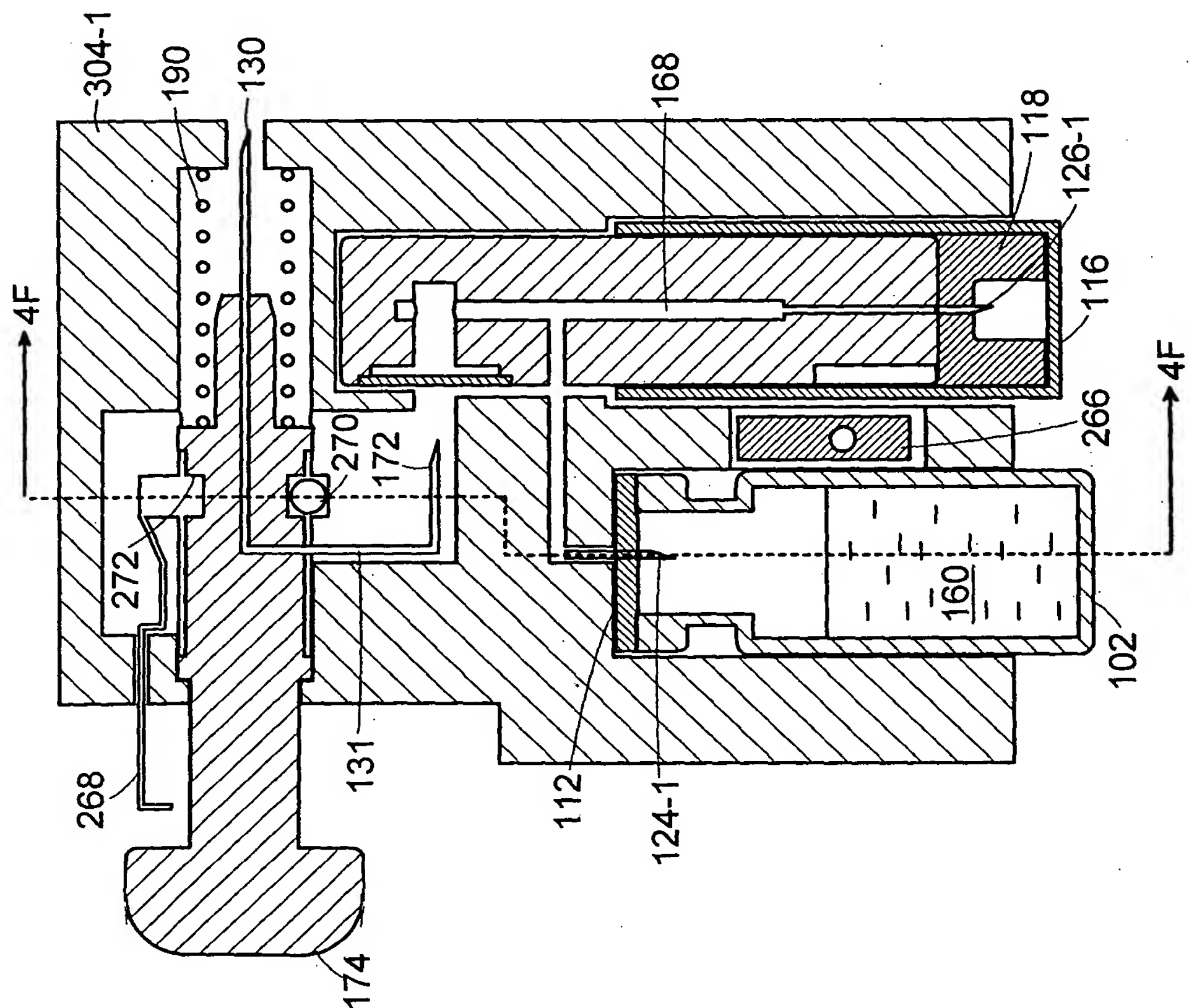


Figure 4E



13/76

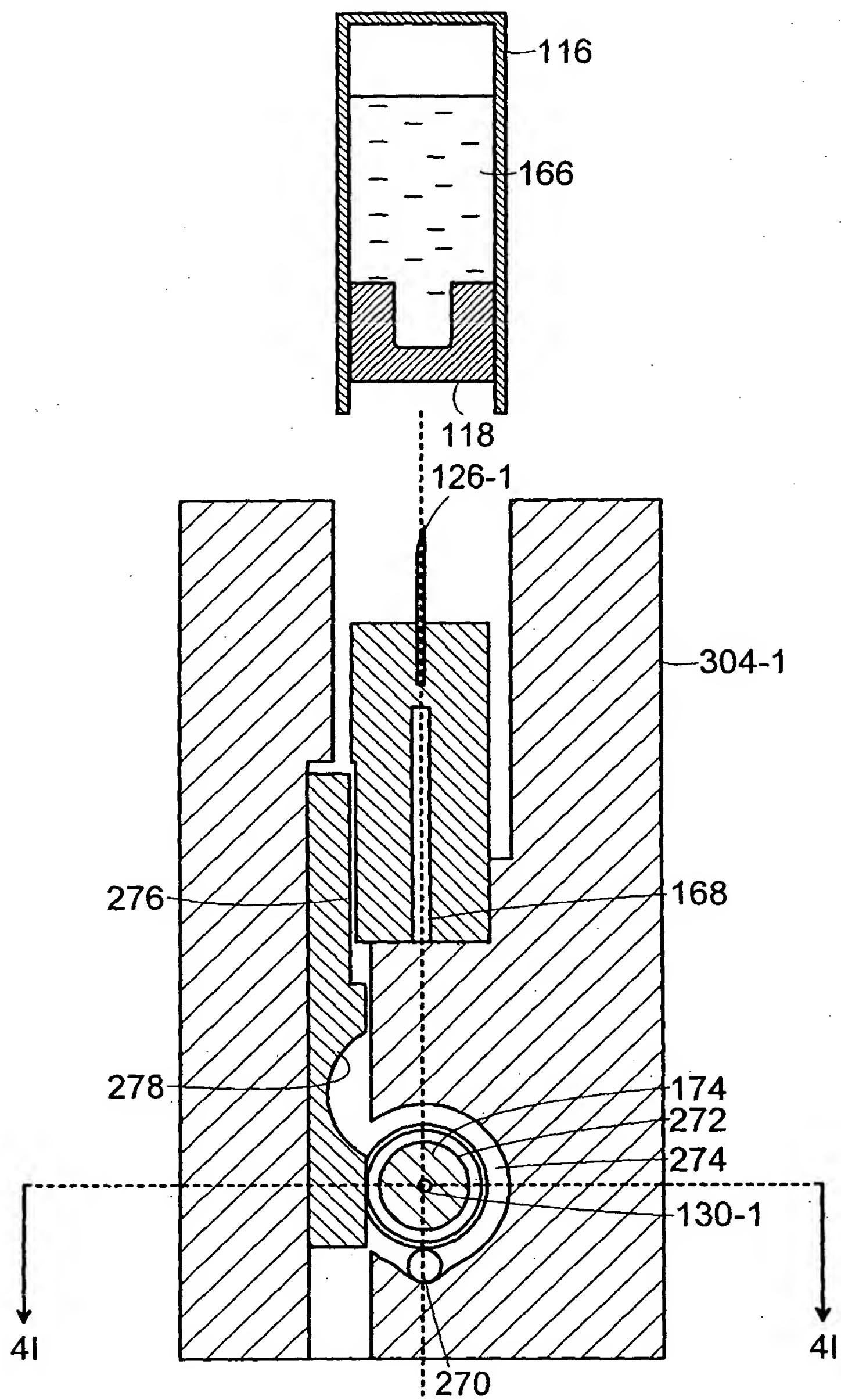


Figure 4H

14/76

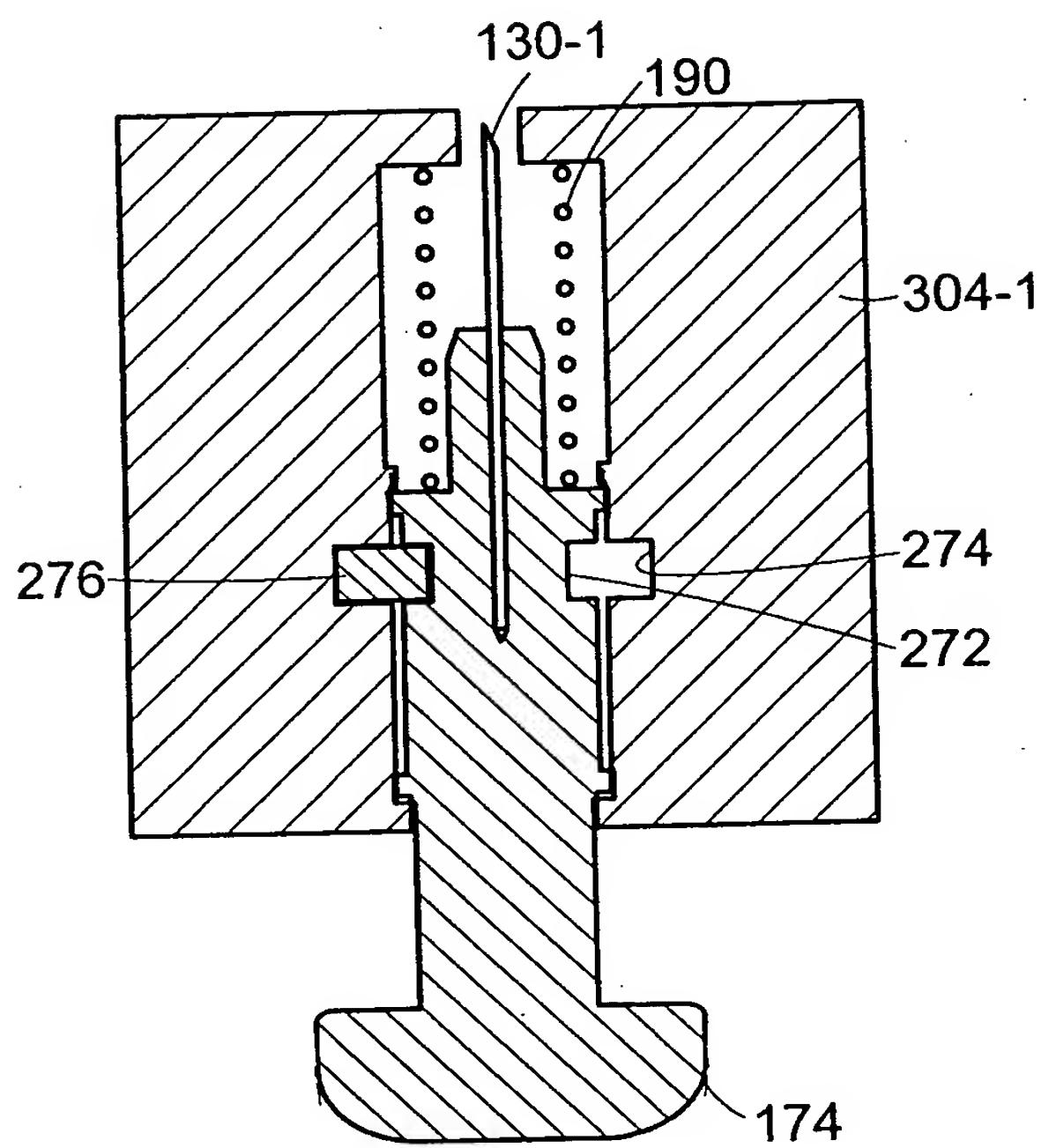


Figure 4I

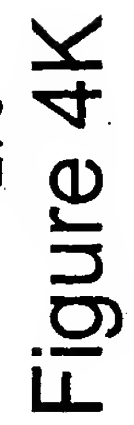


Figure 4J



16/76

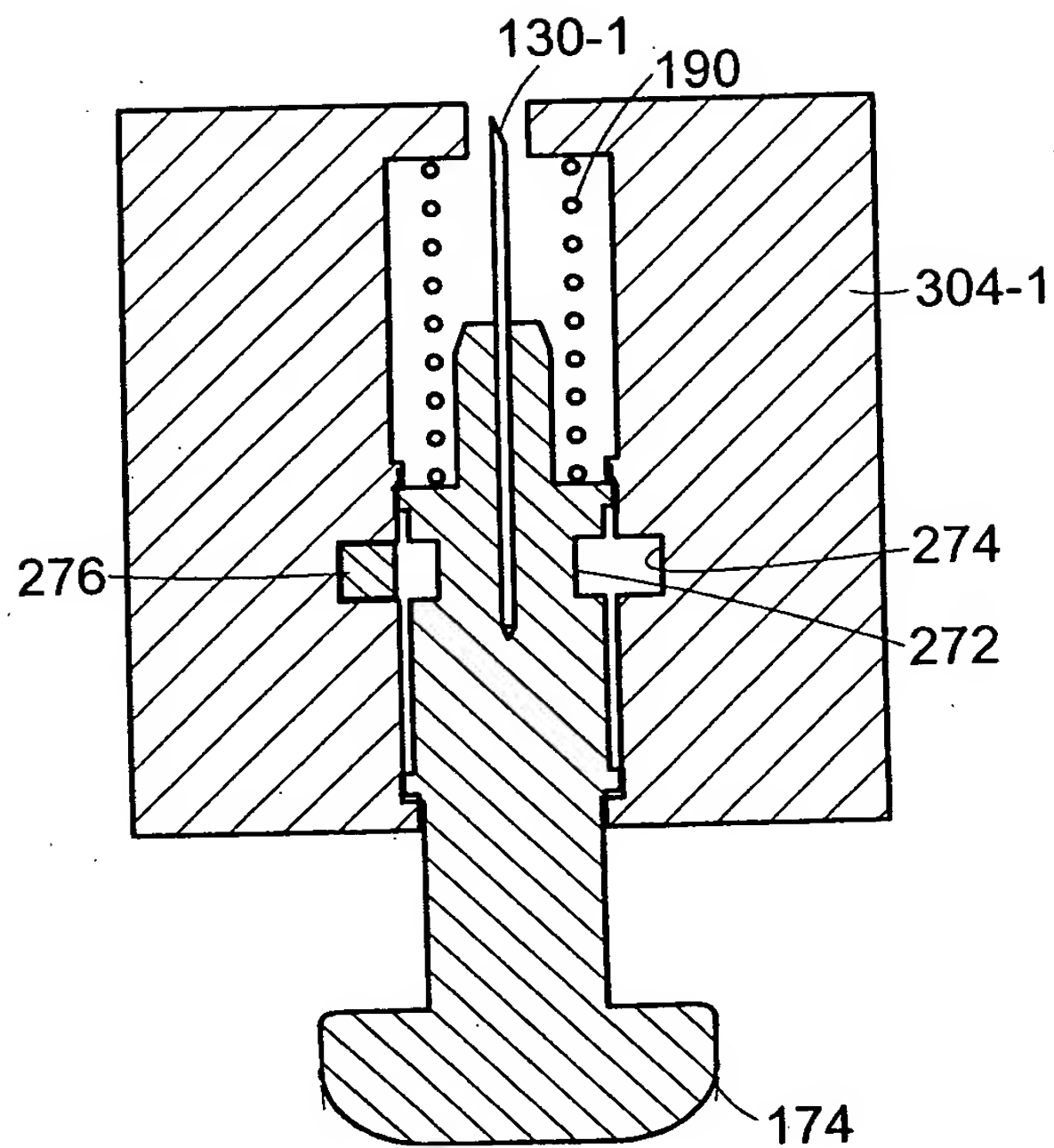


Figure 4L



17/76

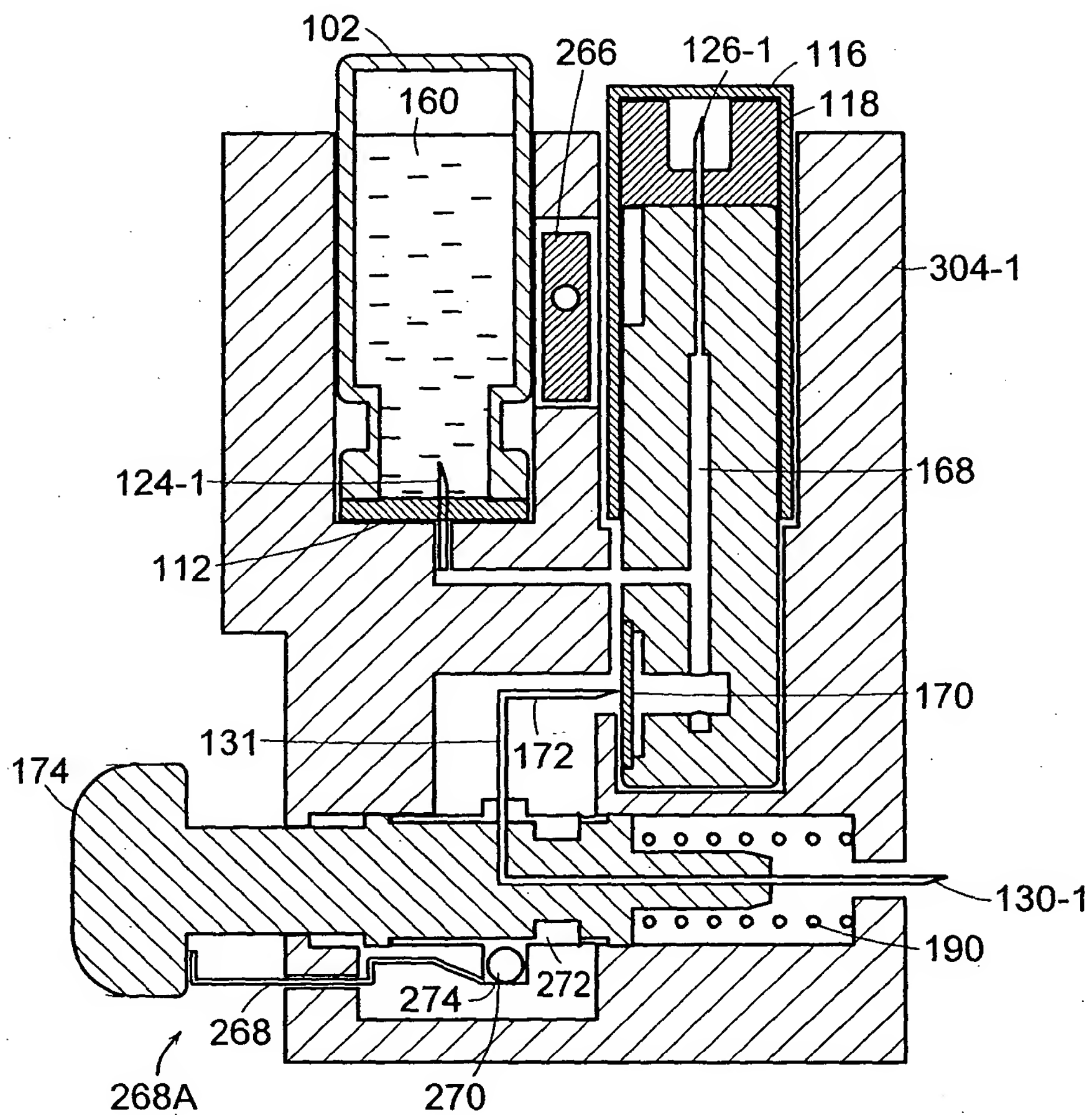


Figure 4M

18/76

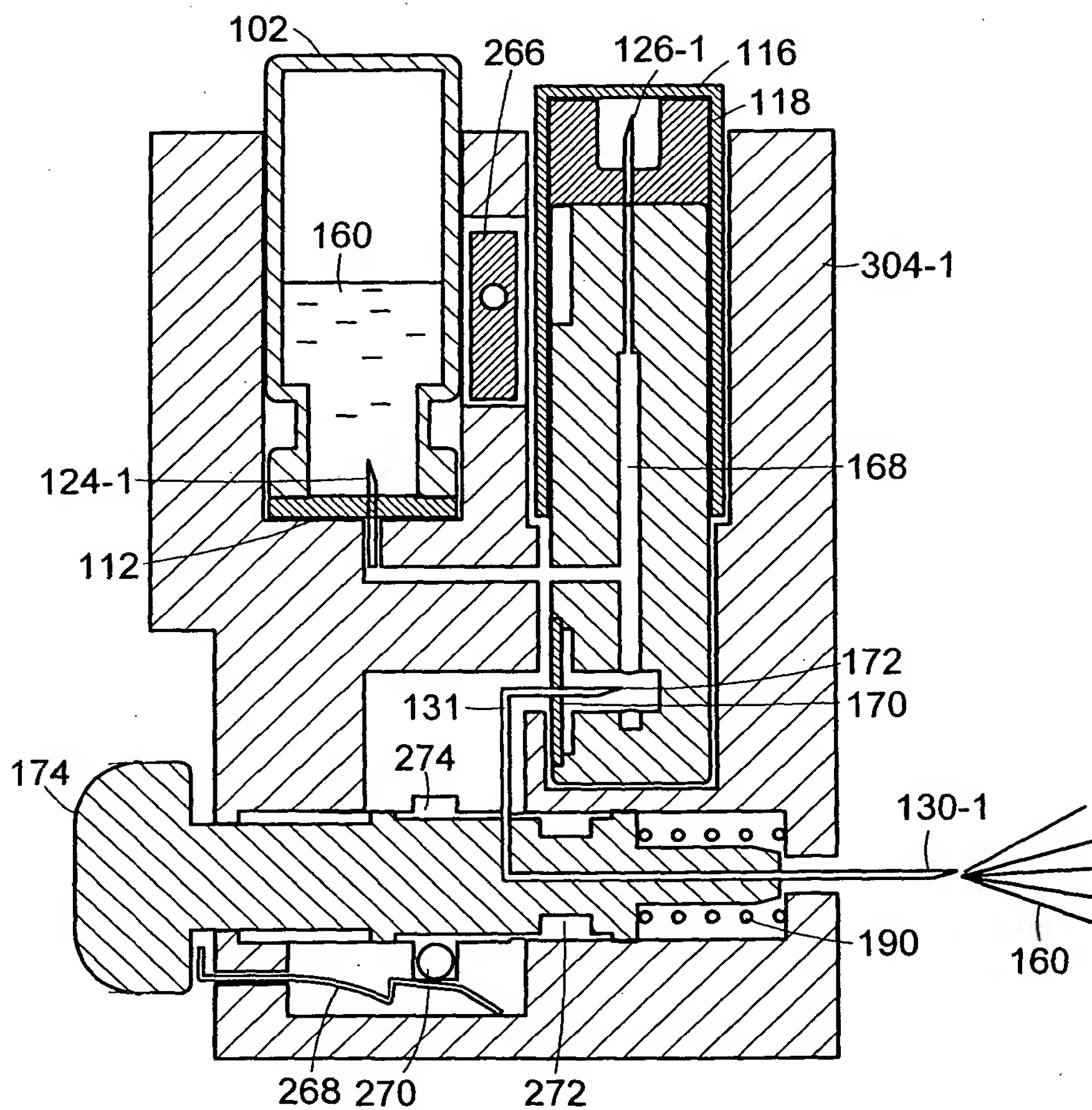


Figure 4N



20/76

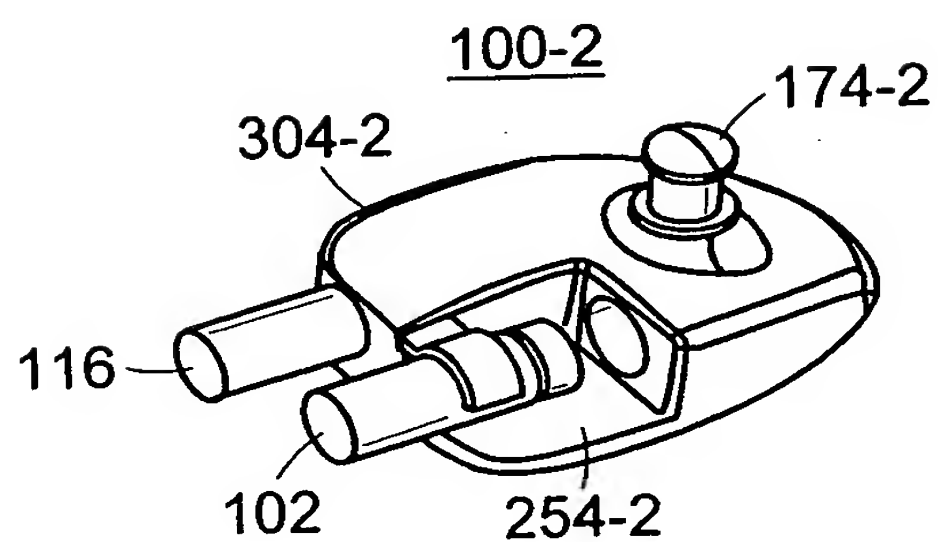


Figure 5A

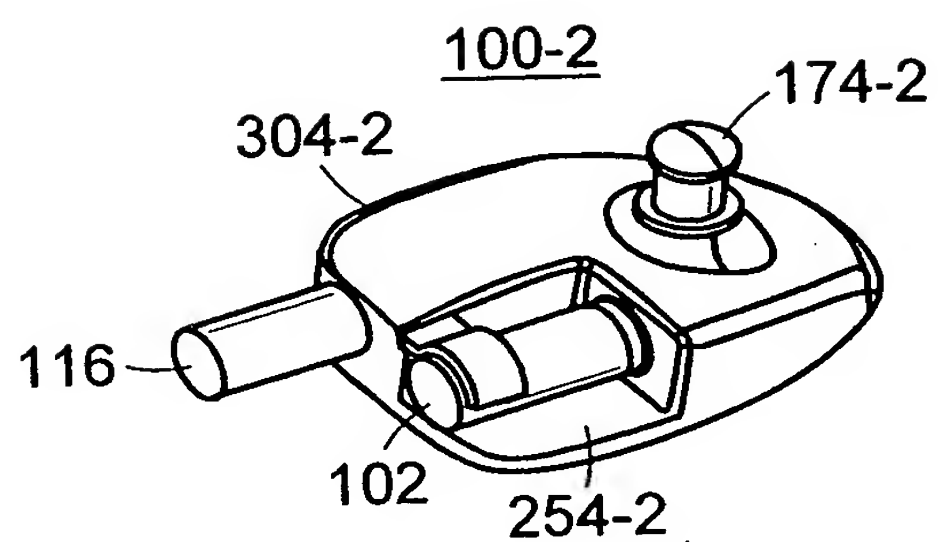


Figure 5B

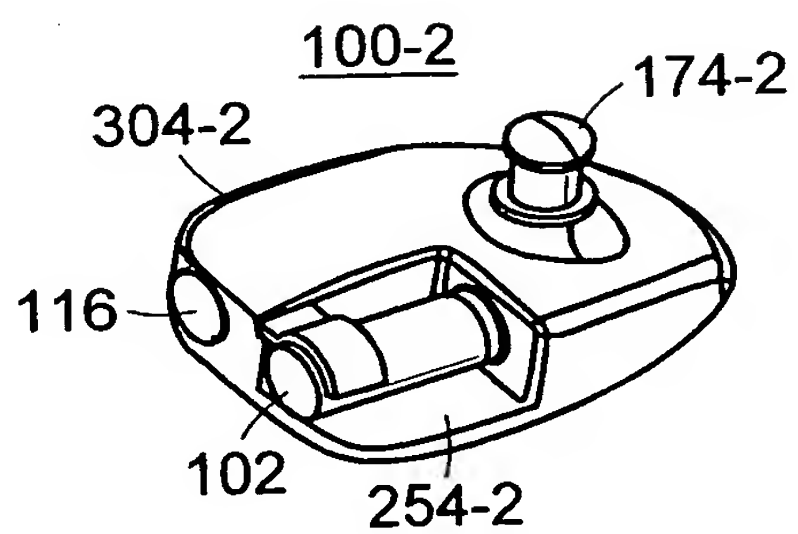


Figure 5C

21/76

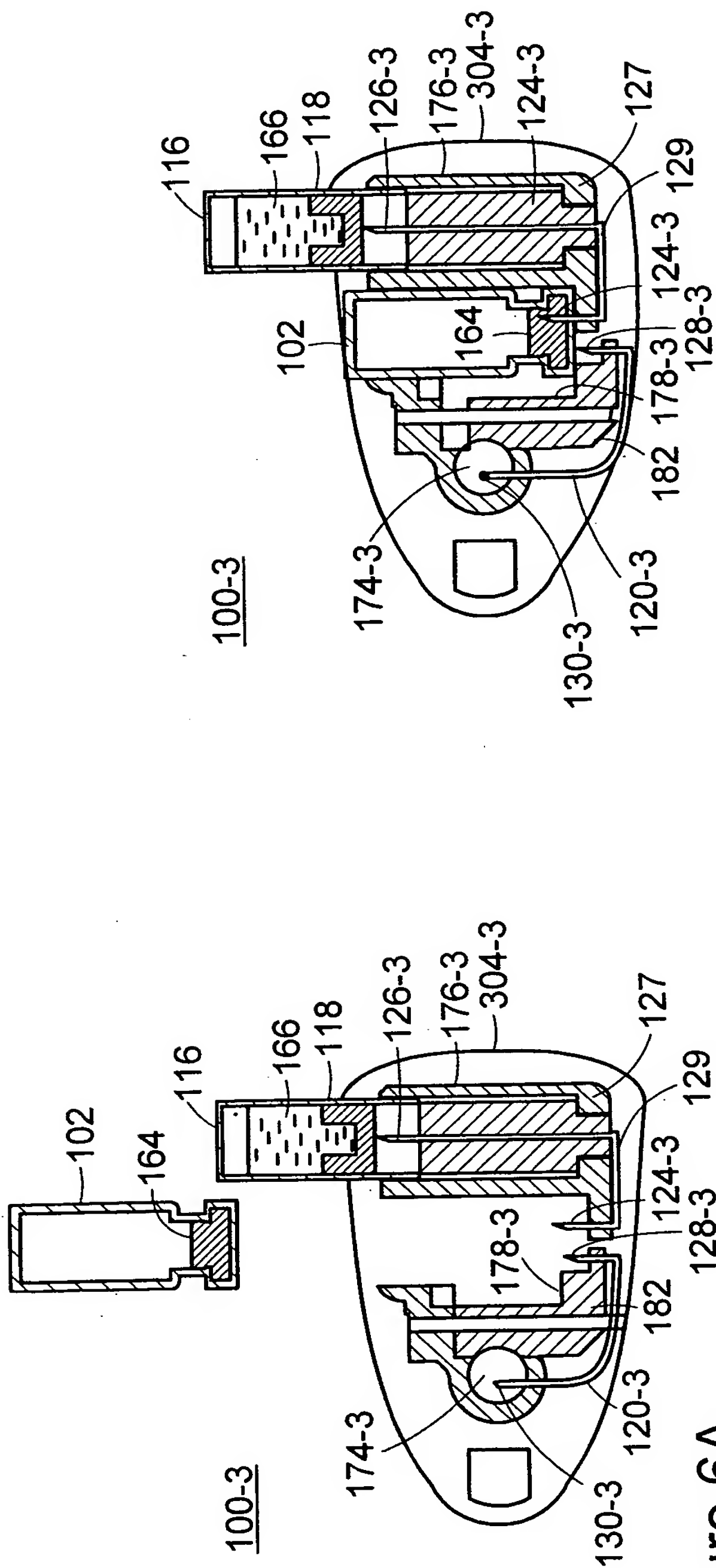


Figure 6A

Figure 6B

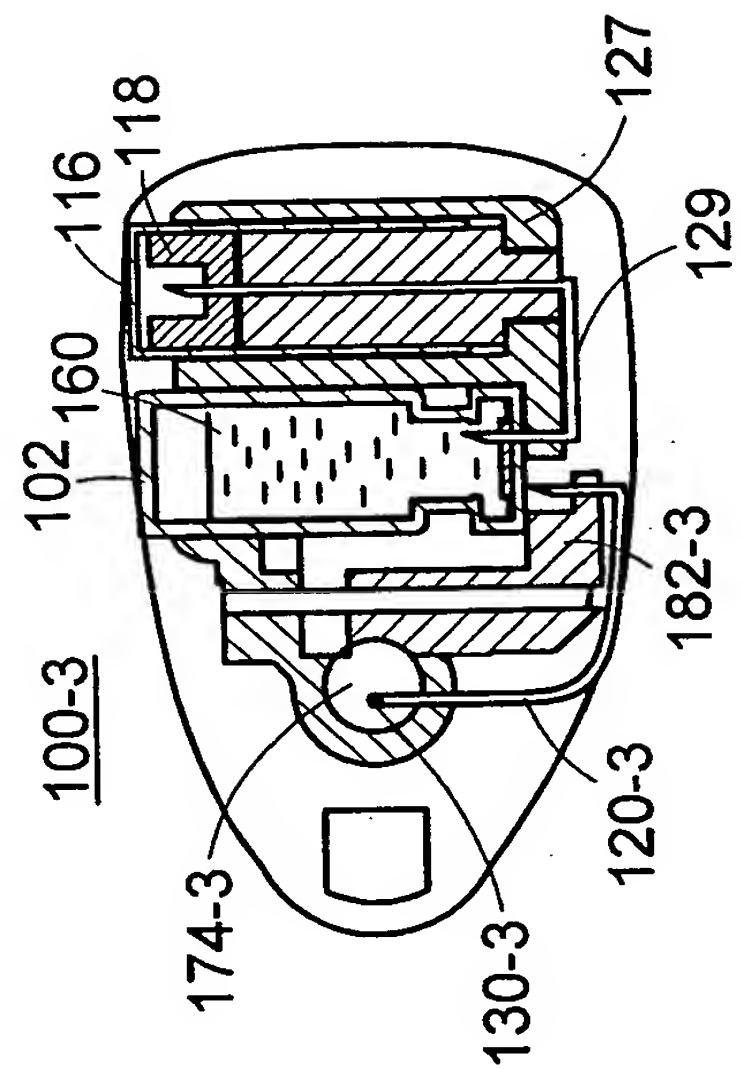


Figure 6C

22/76

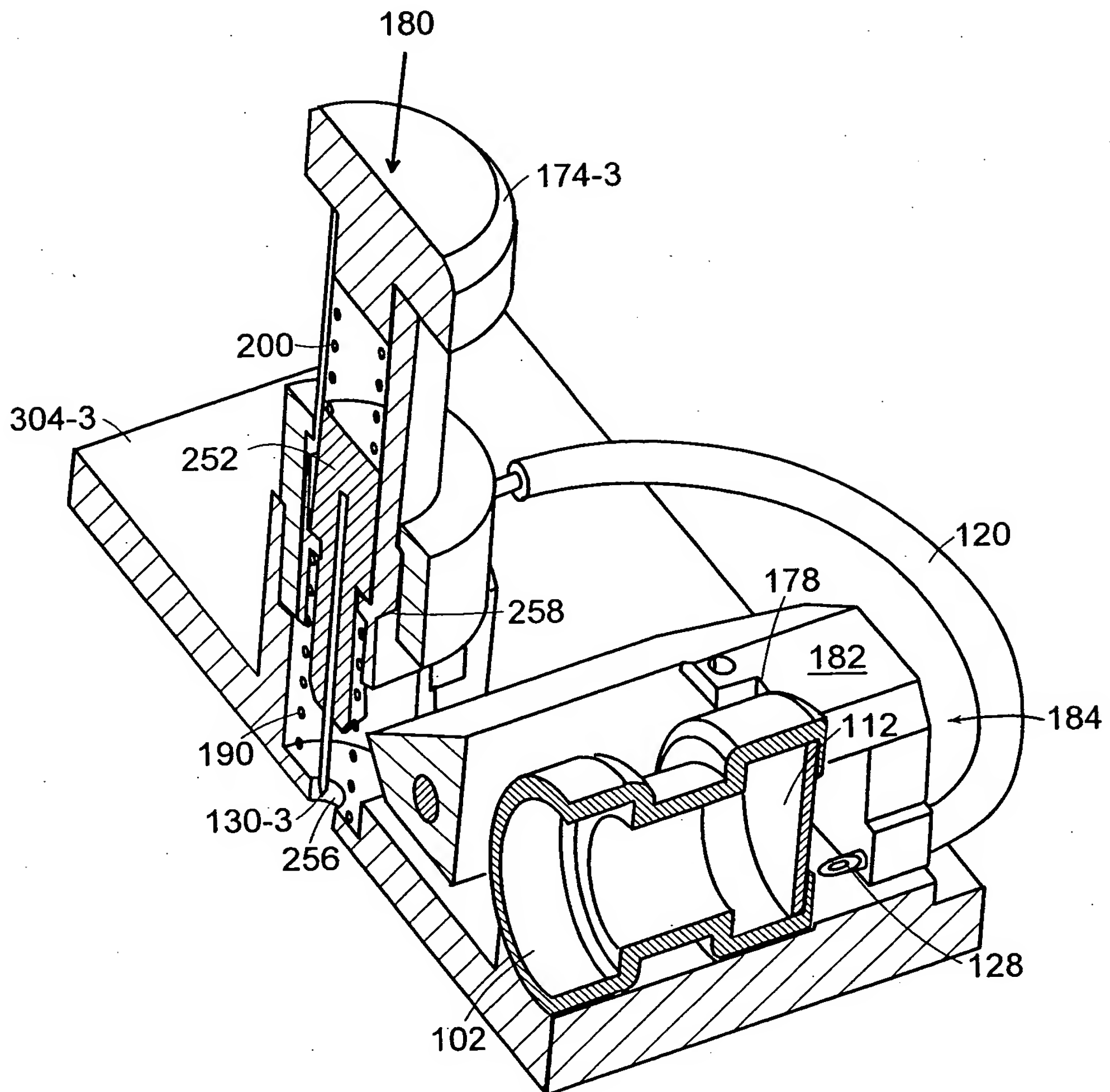


Figure 7A

23/76

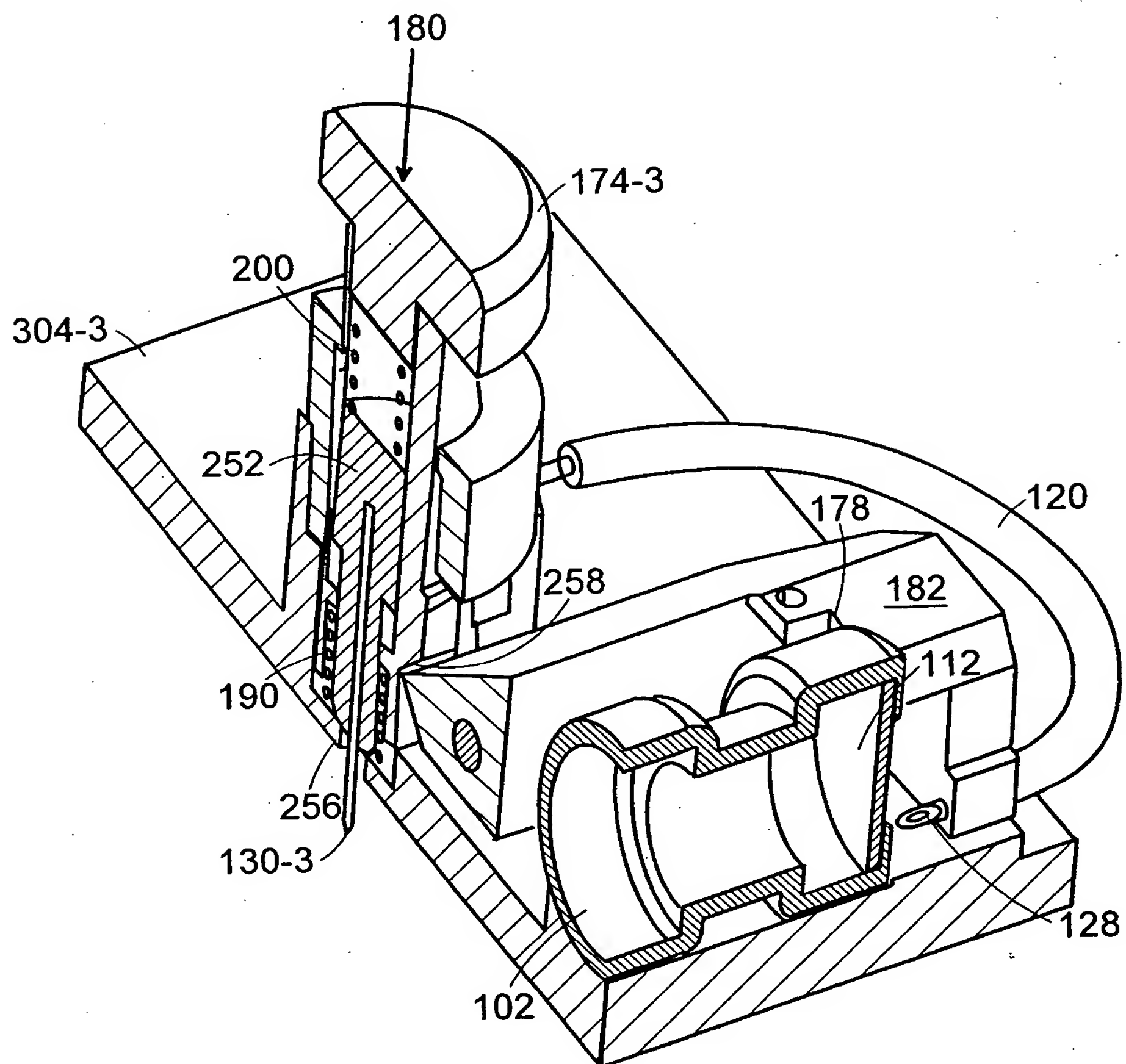


Figure 7B





25/76

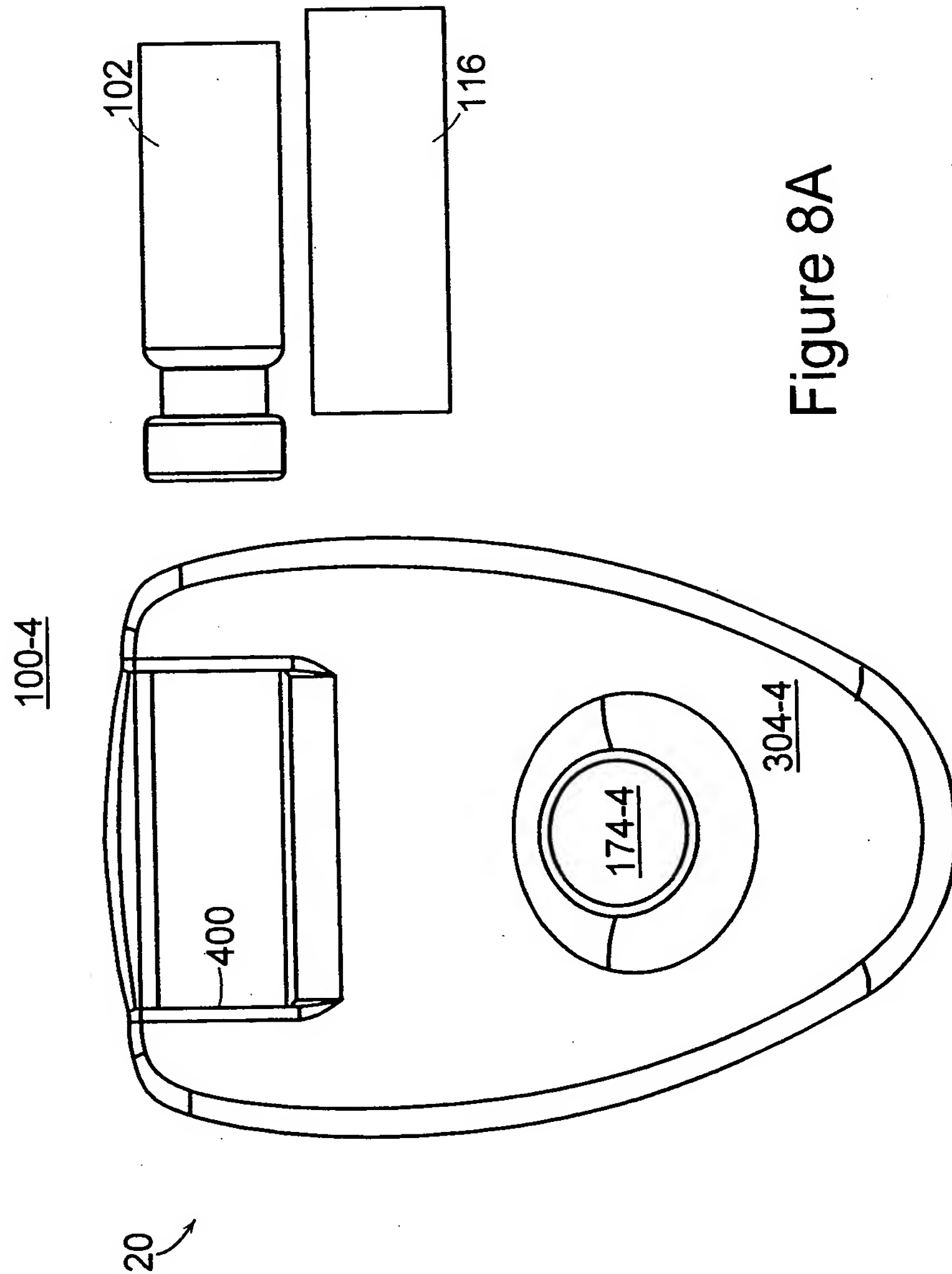


Figure 8A

26/76

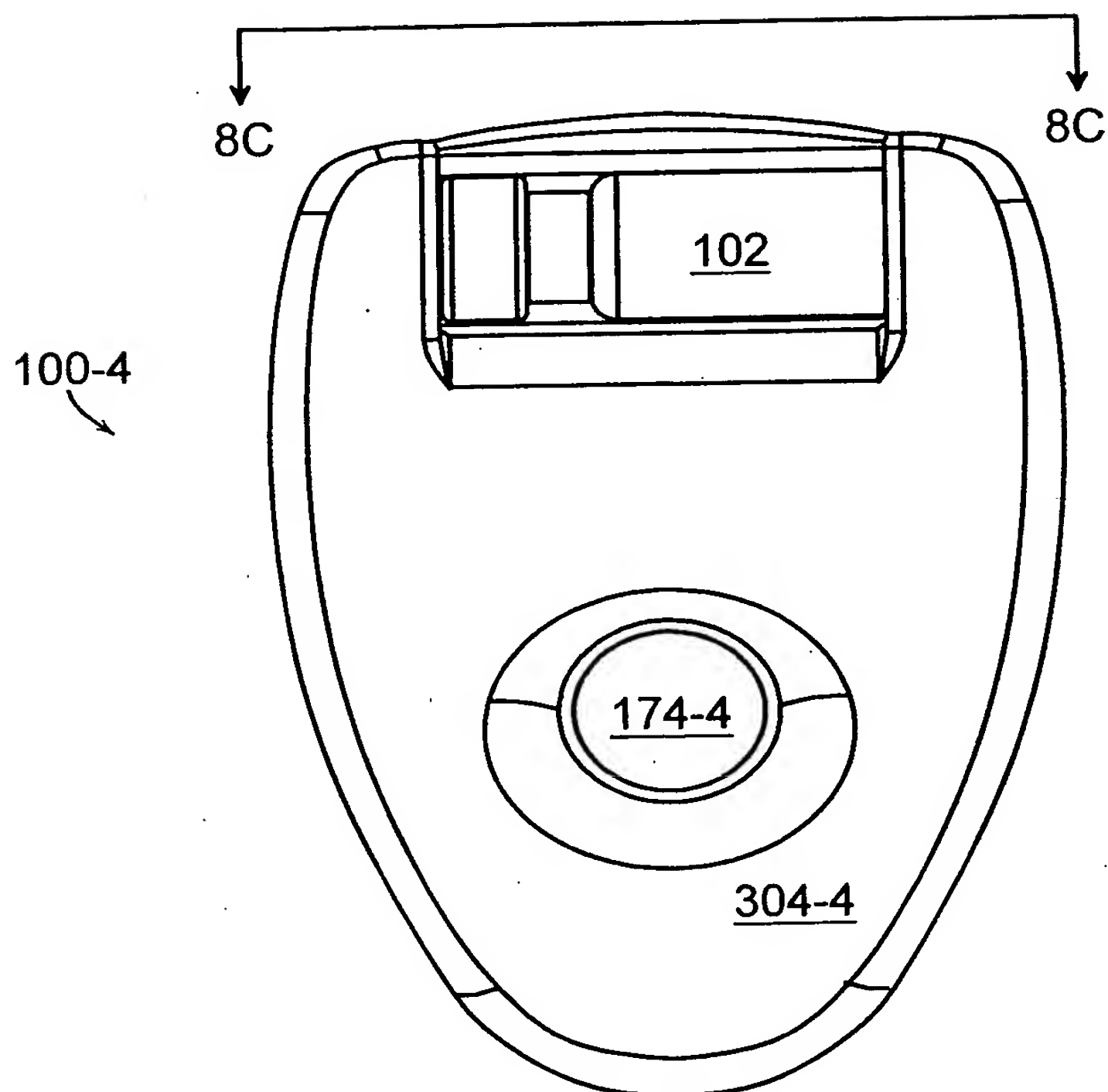


Figure 8B

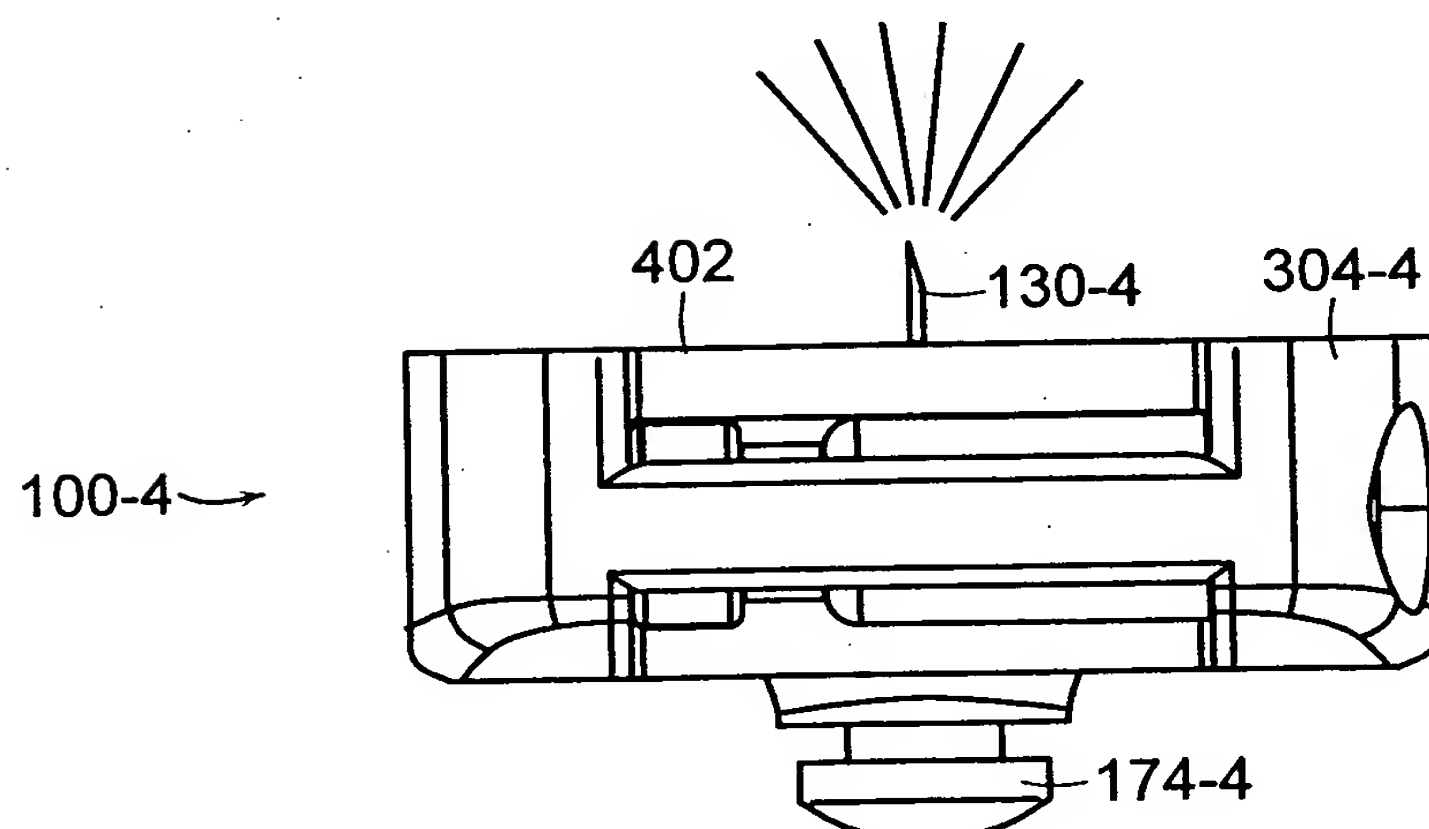


Figure 8C

27/76

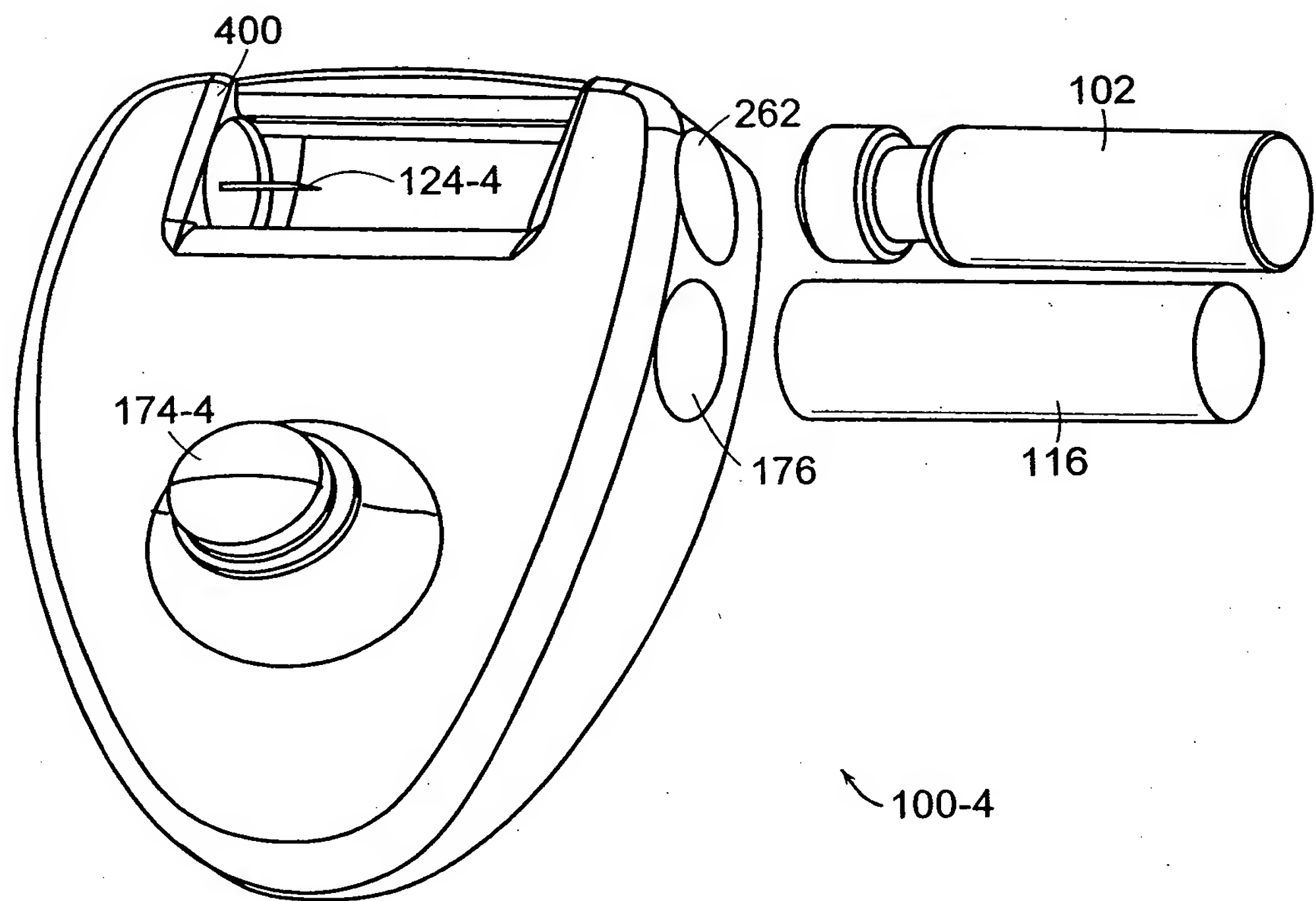


Figure 8D

28/76

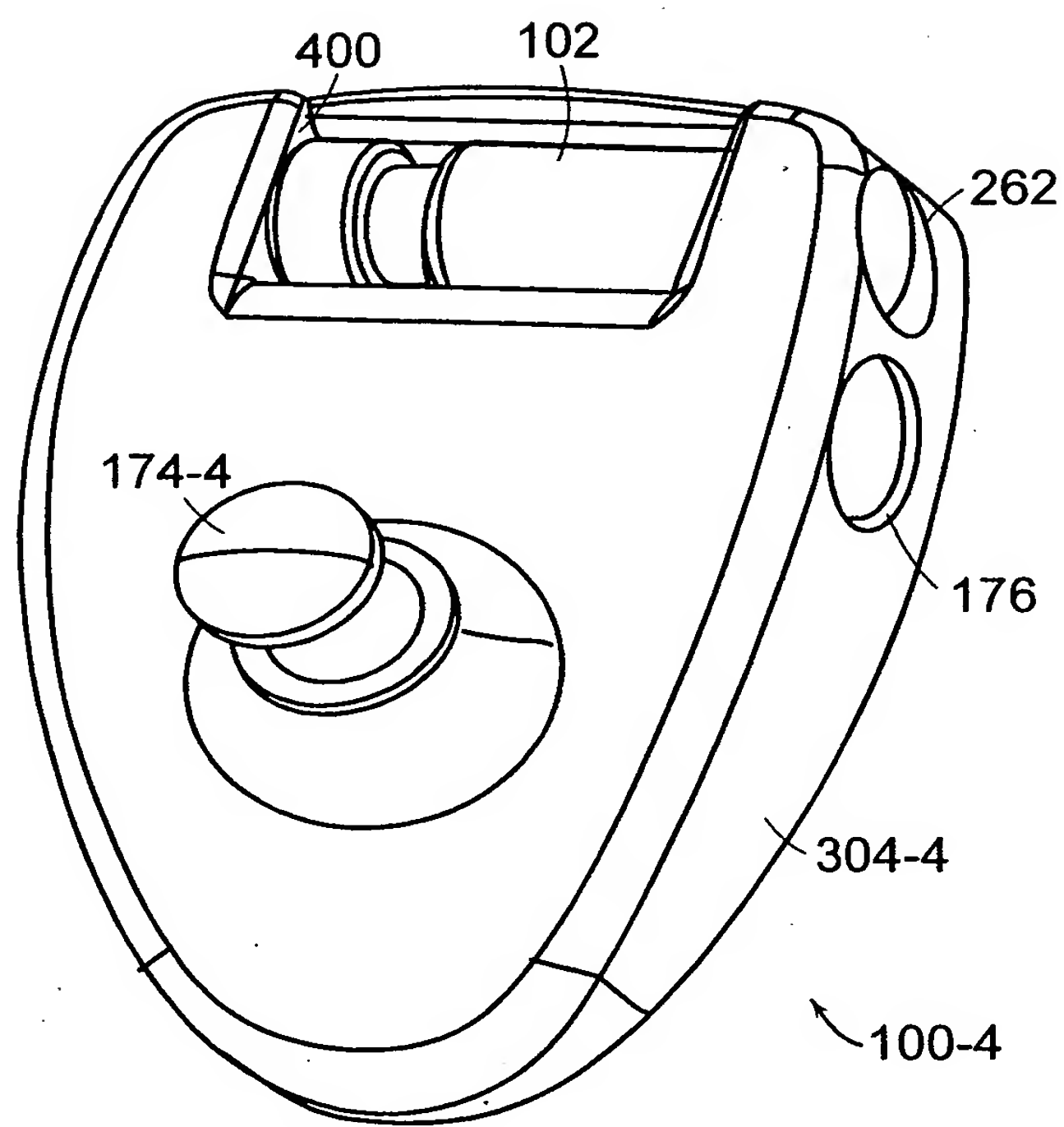


Figure 8E

29/76

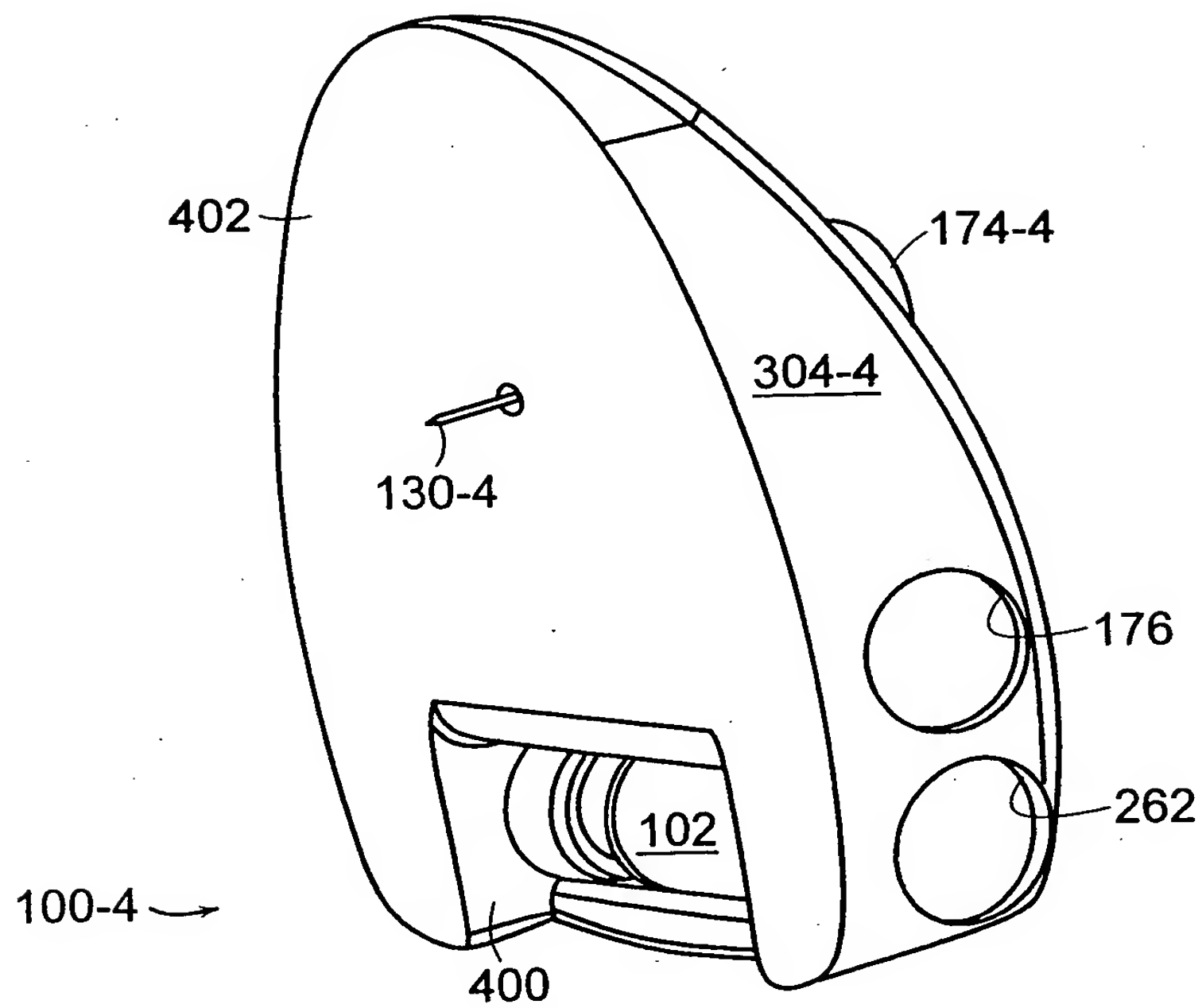


Figure 8F

30/76

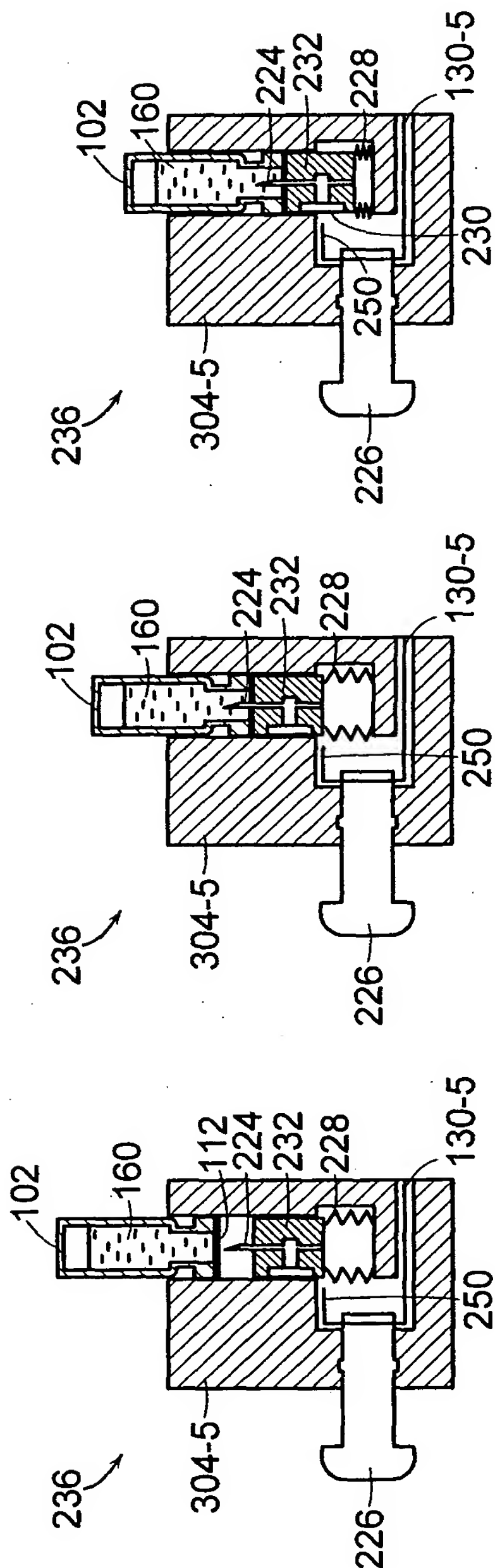


Figure 9A

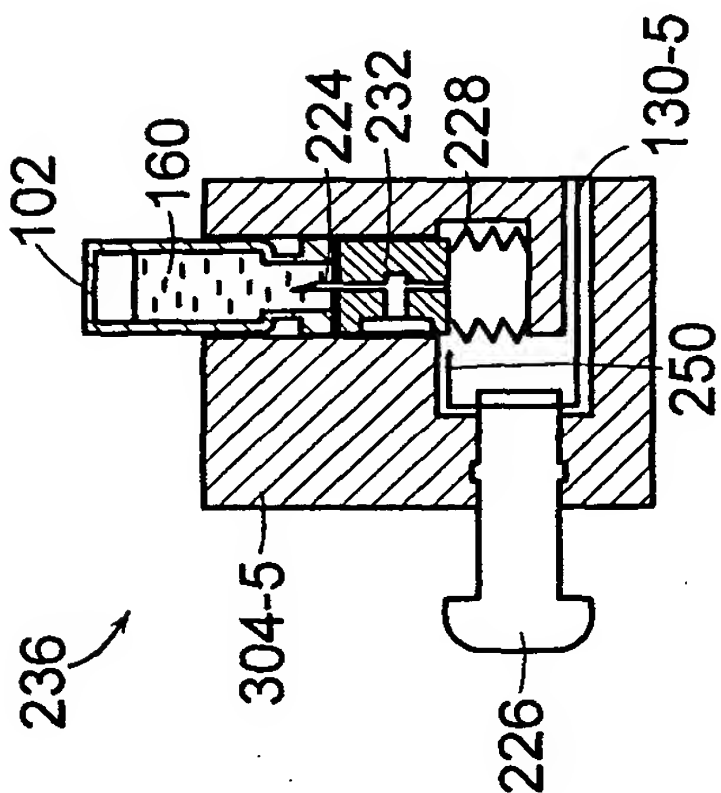


Figure 9B

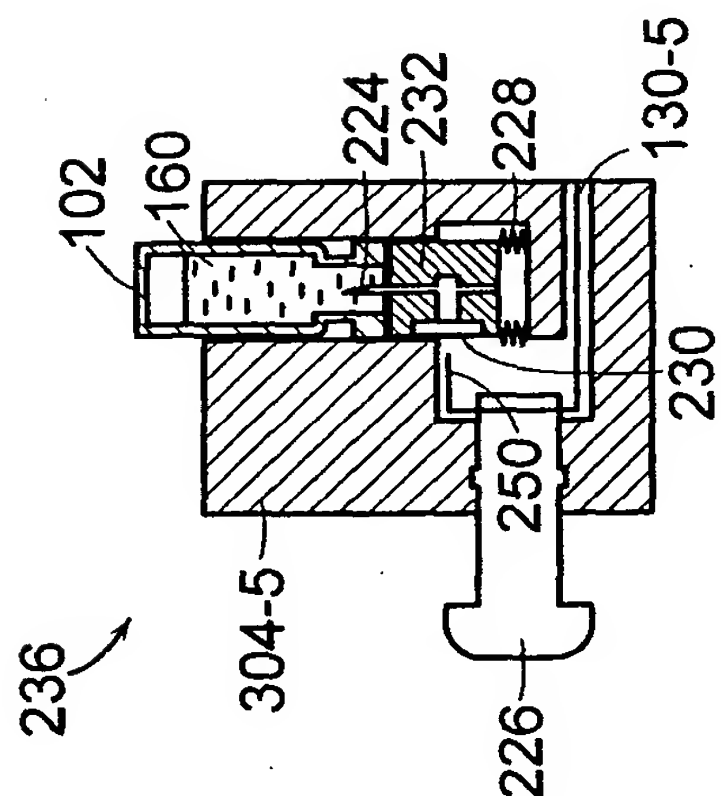


Figure 9C

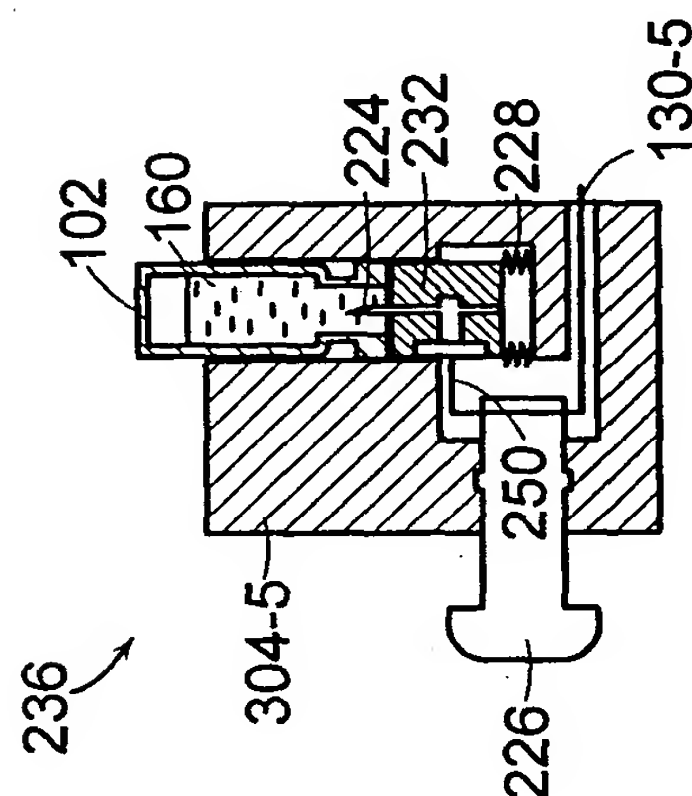


Figure 9D

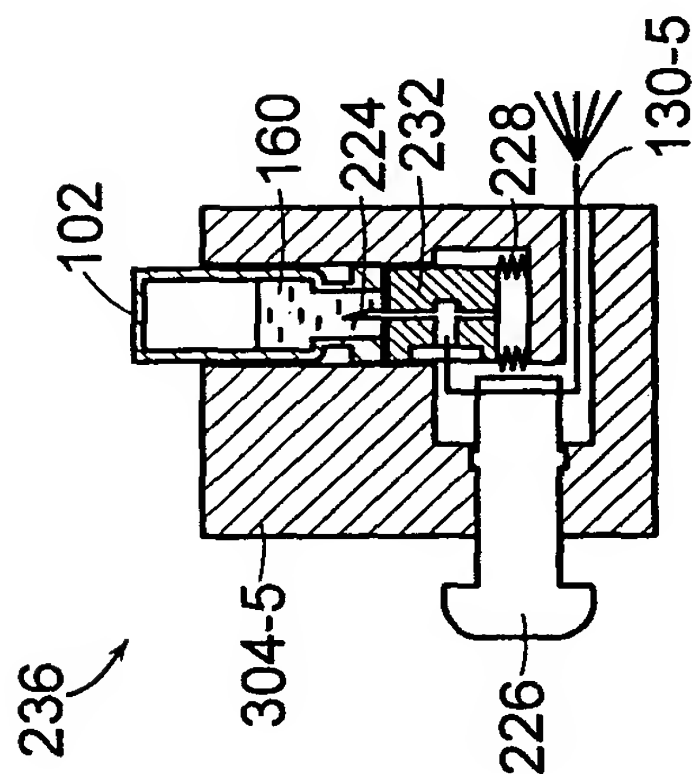


Figure 9E

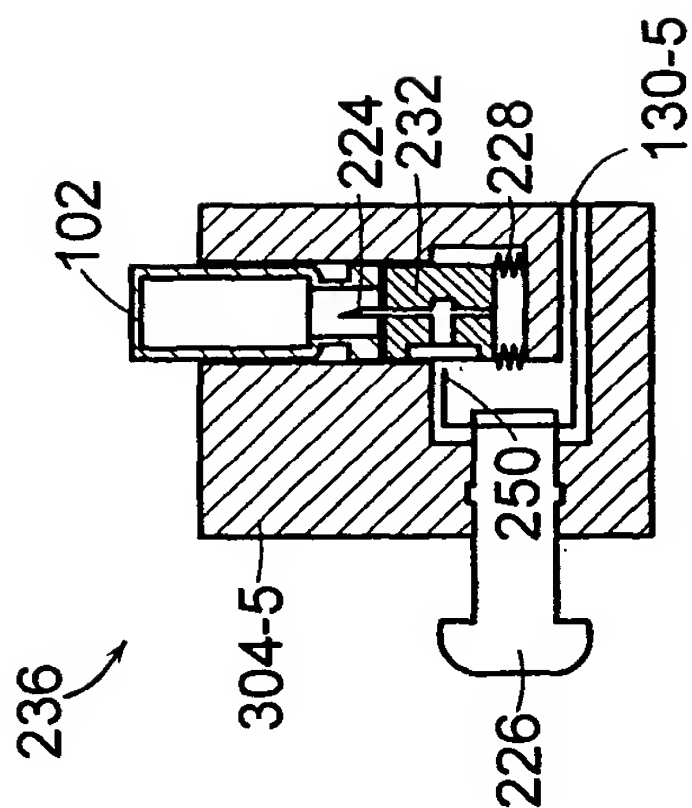


Figure 9F

31/76

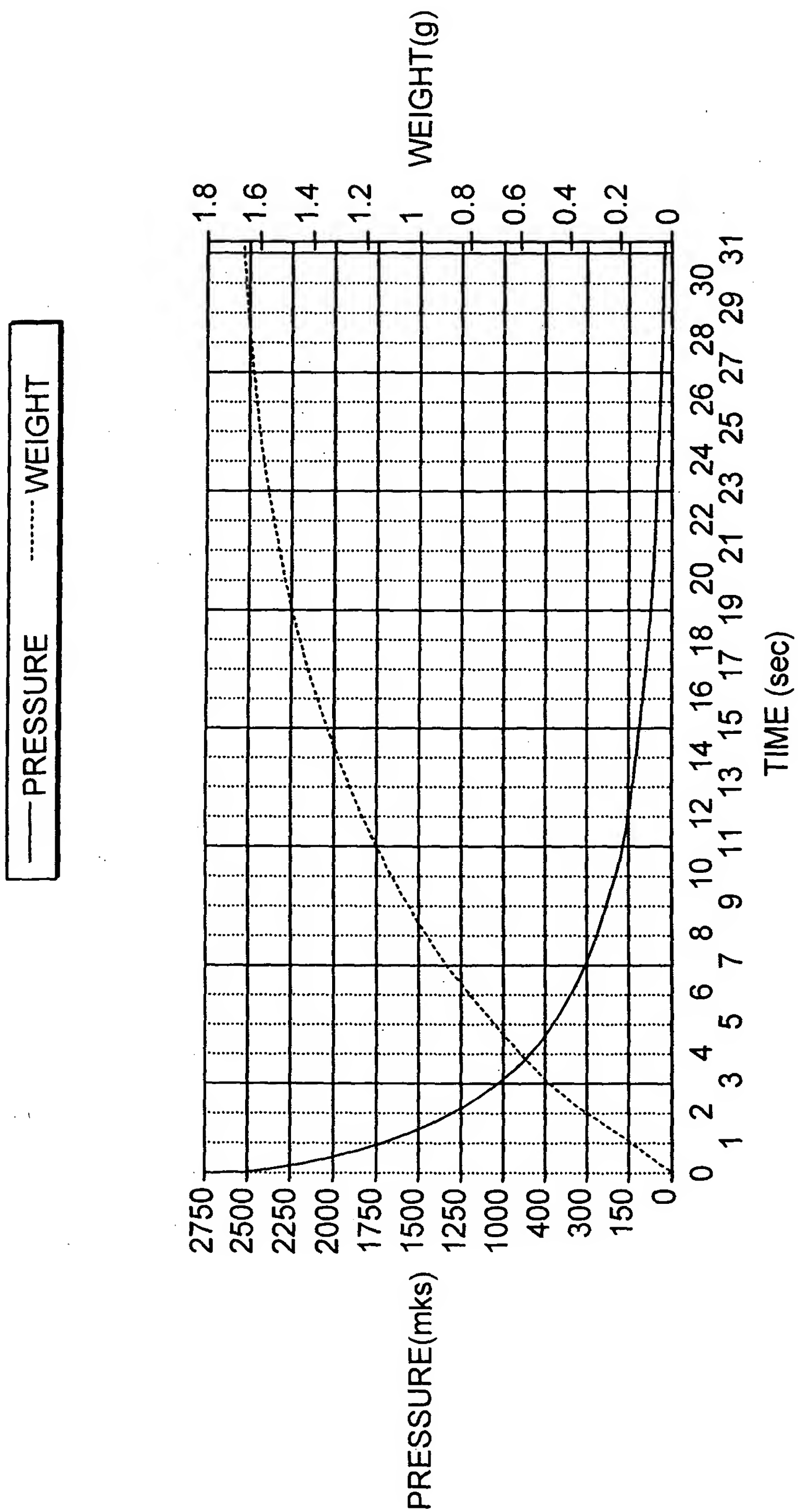


Figure 10A

32/76

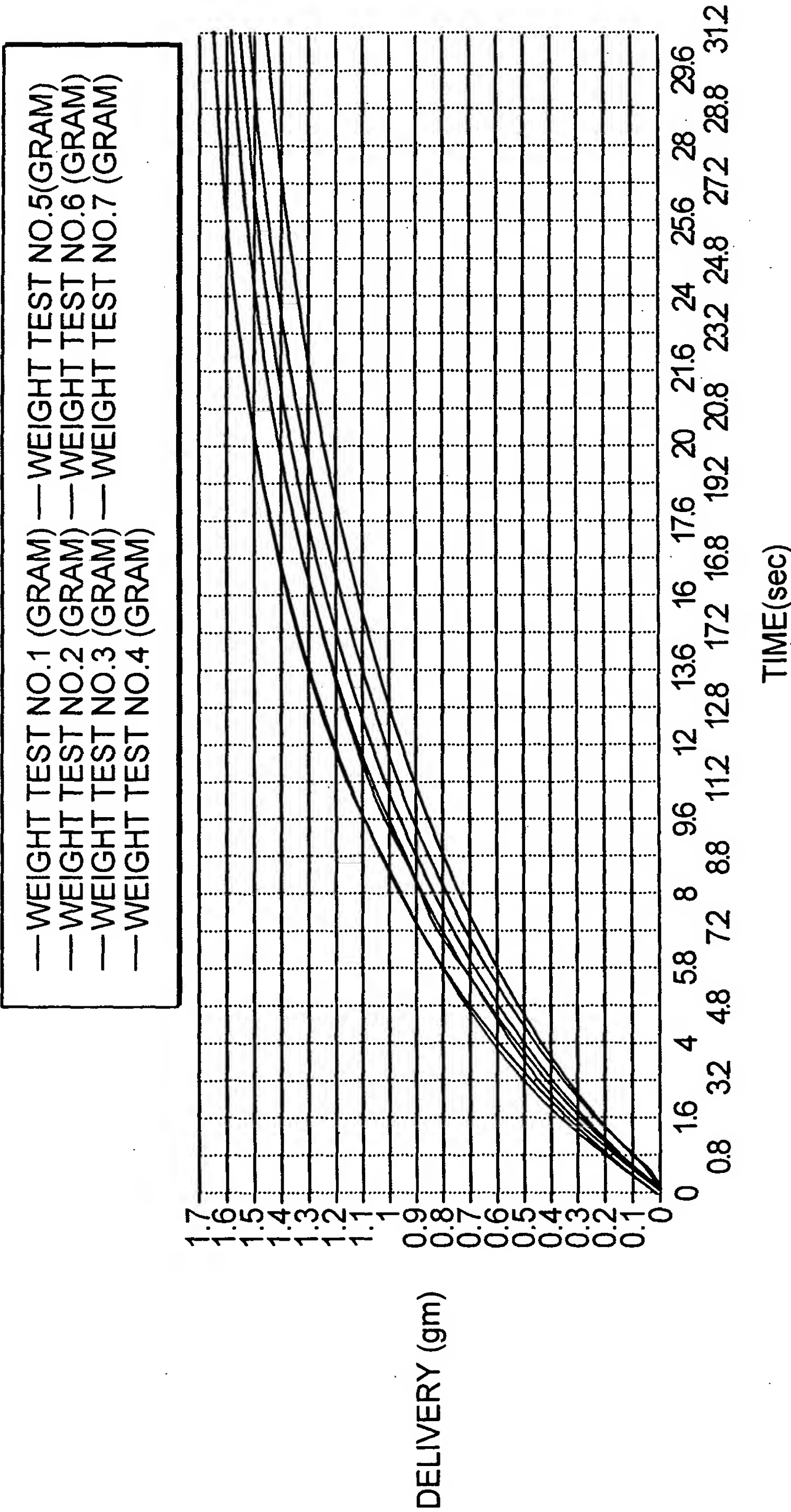


Figure 10B



33/76

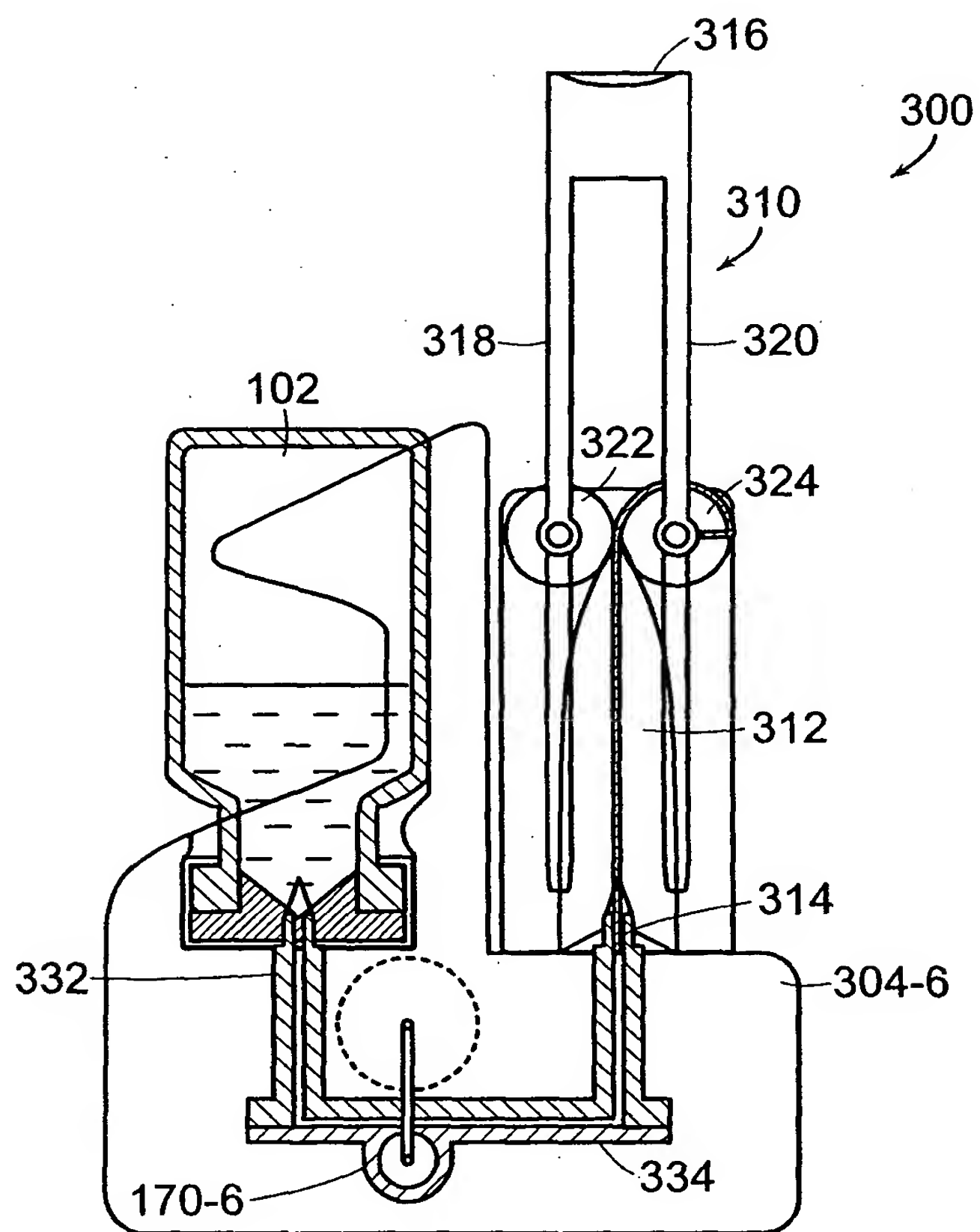


Figure 11A

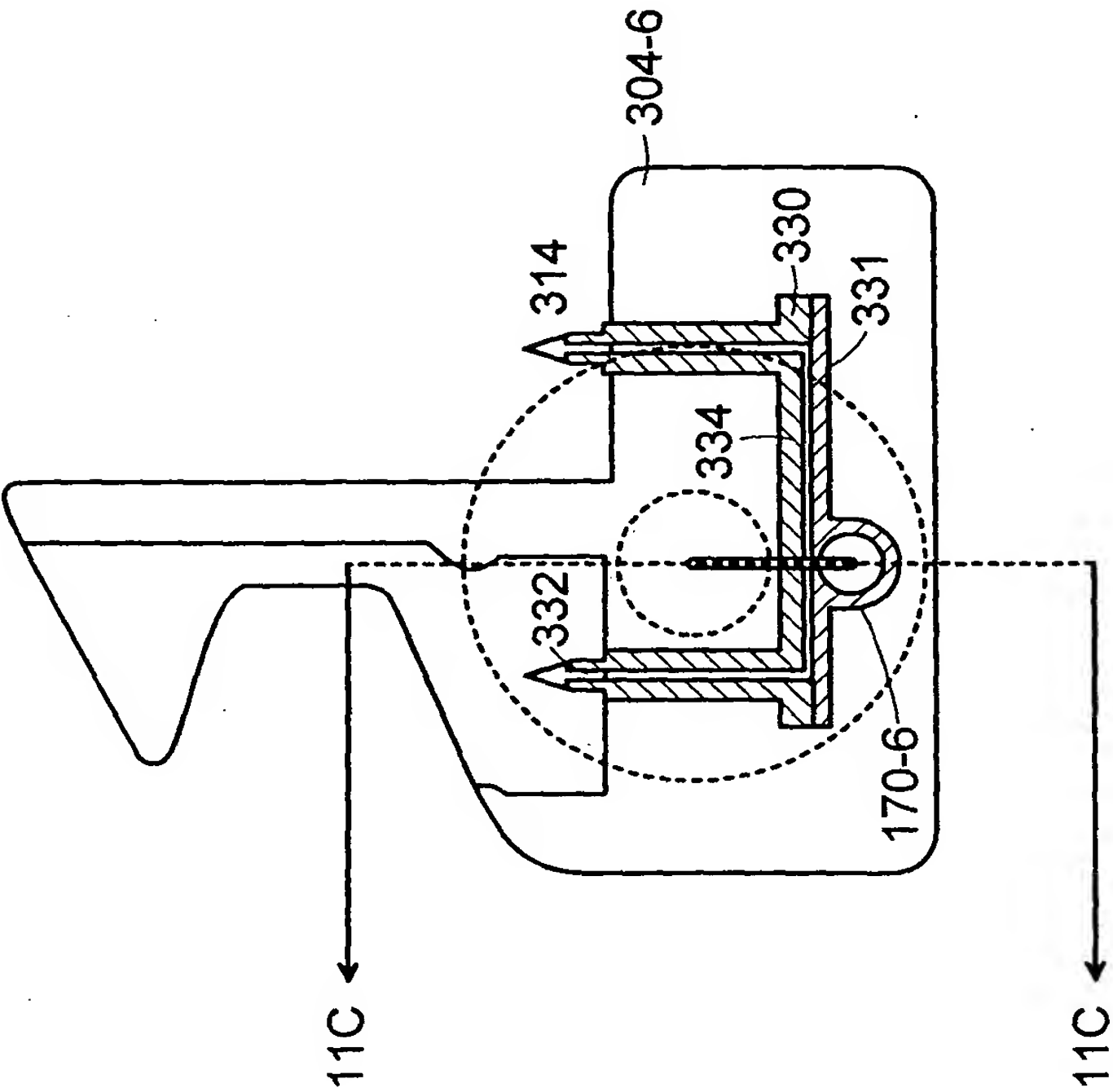


Figure 11B

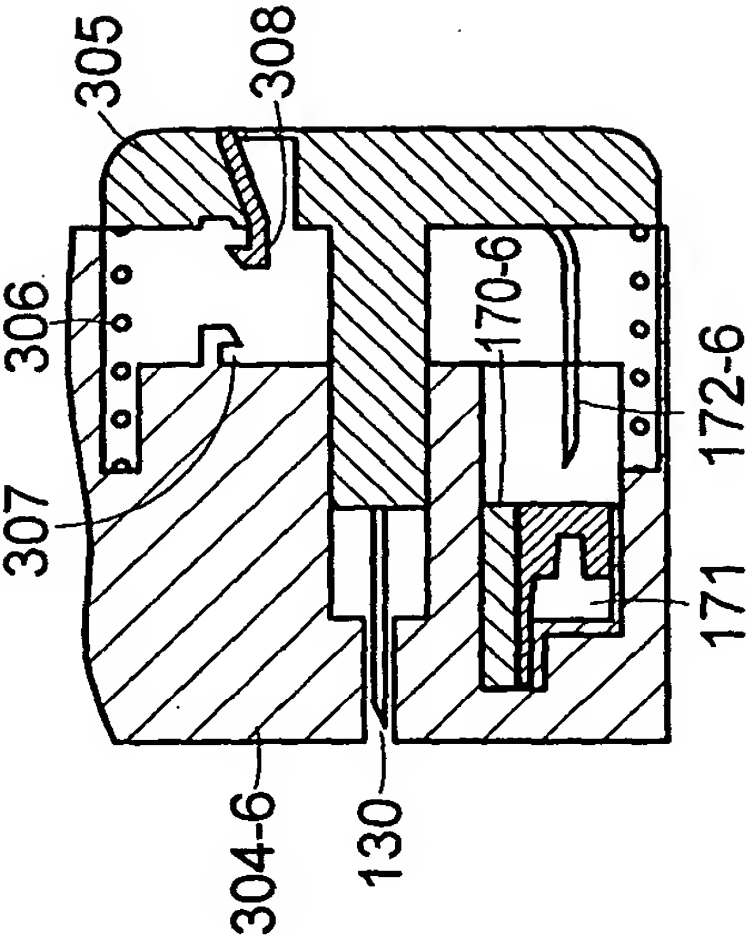


Figure 11C

35/76

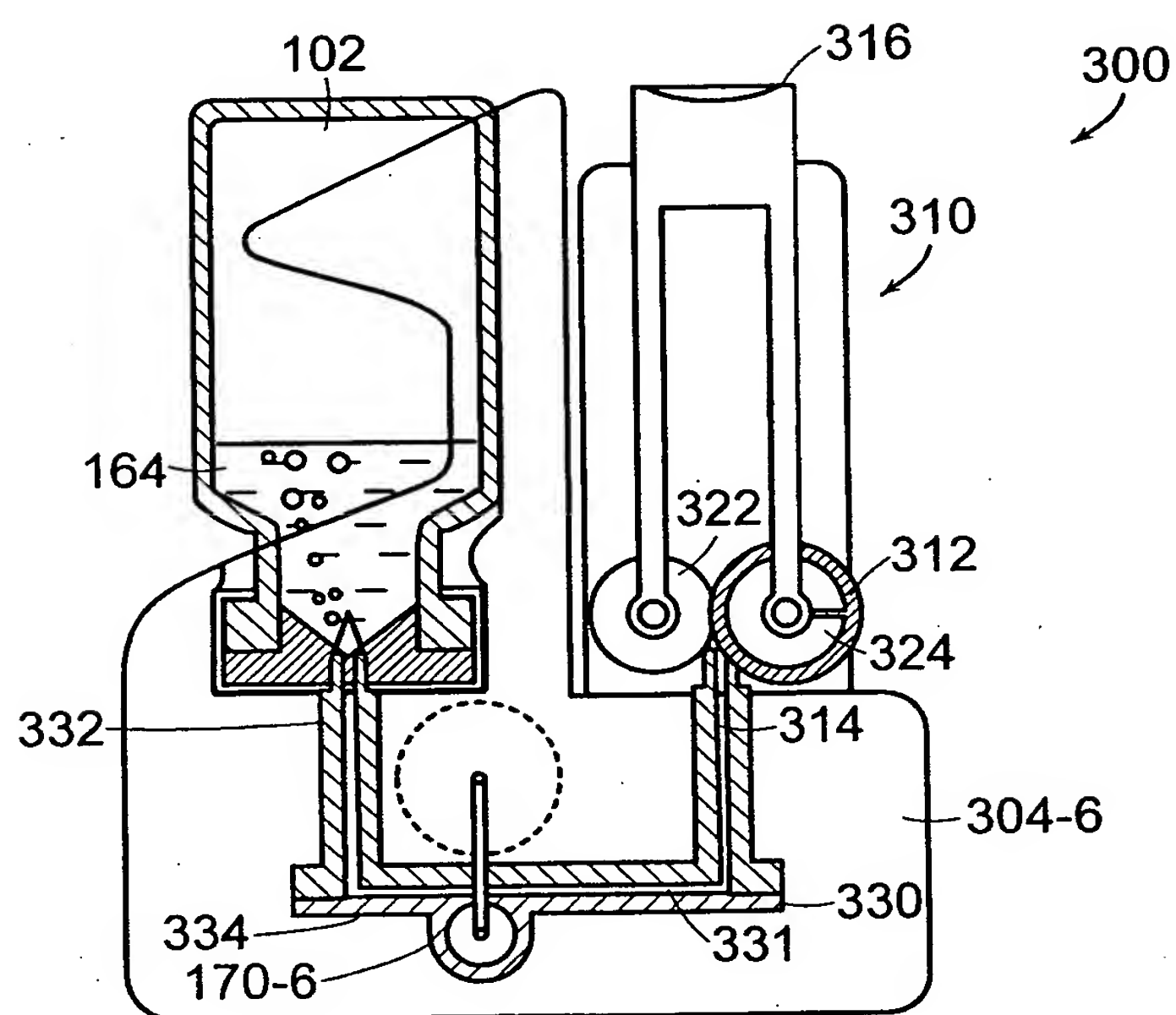


Figure 11D

36/76

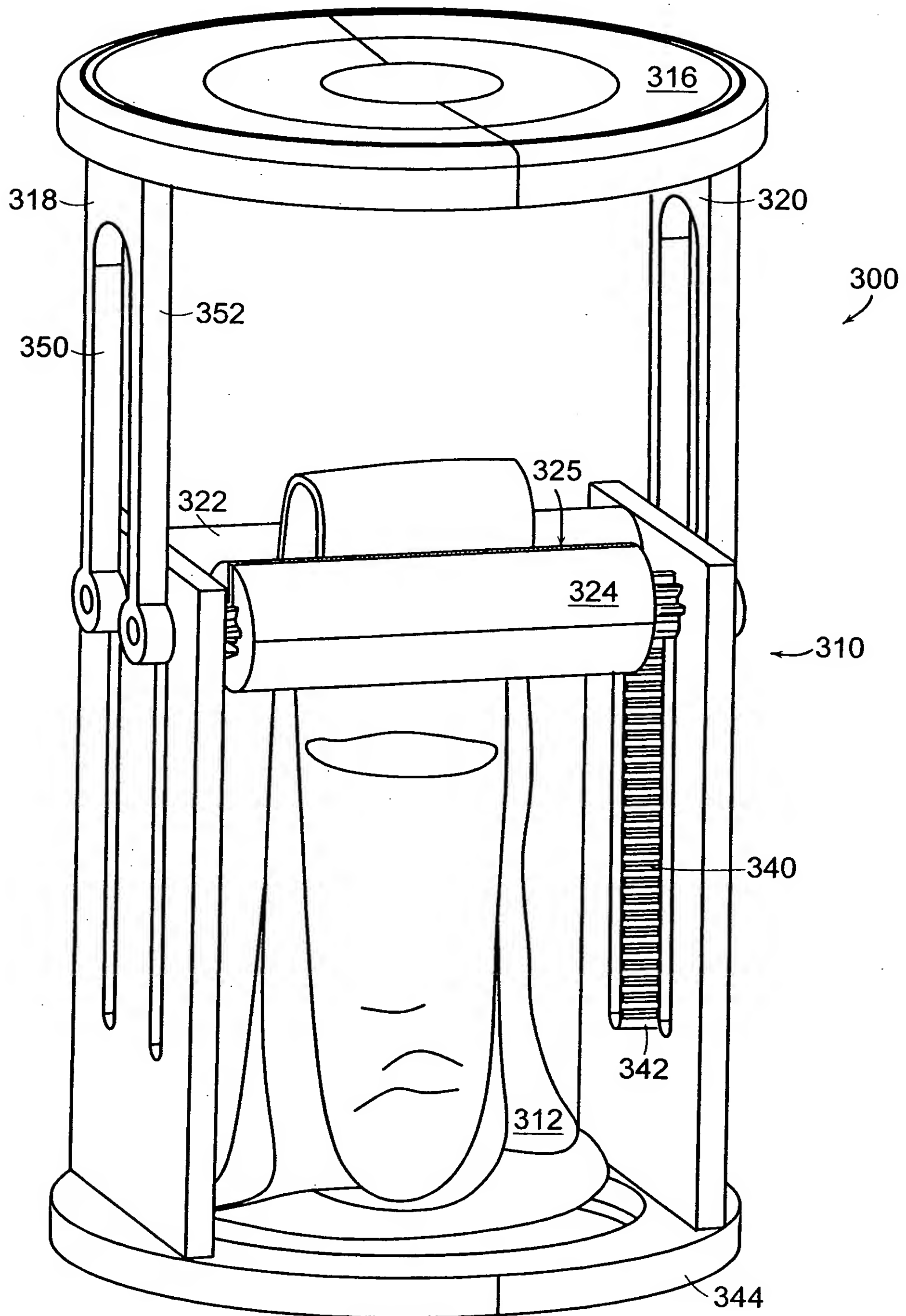


Figure 12A

37/76

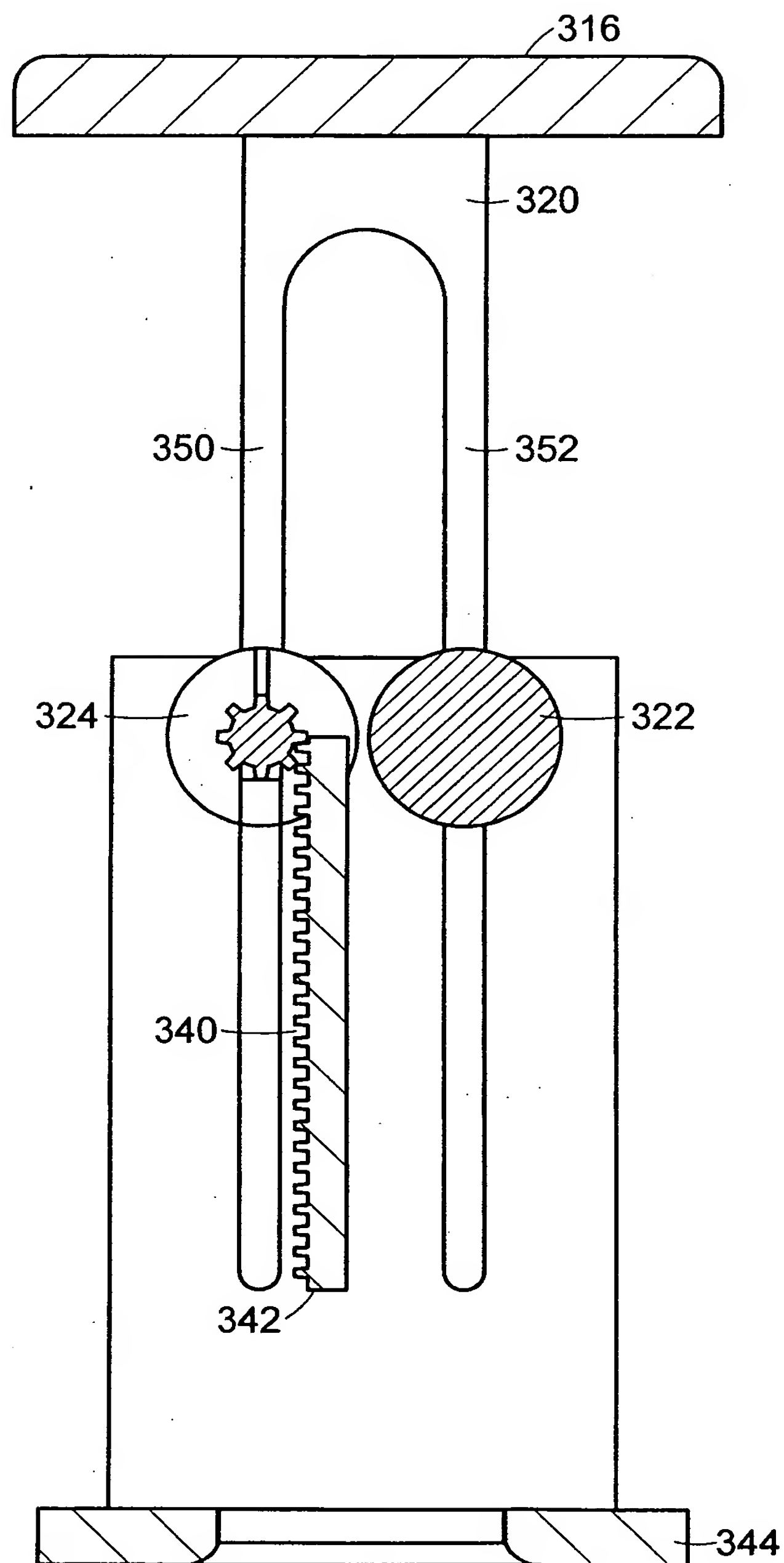


Figure 12B

100-7

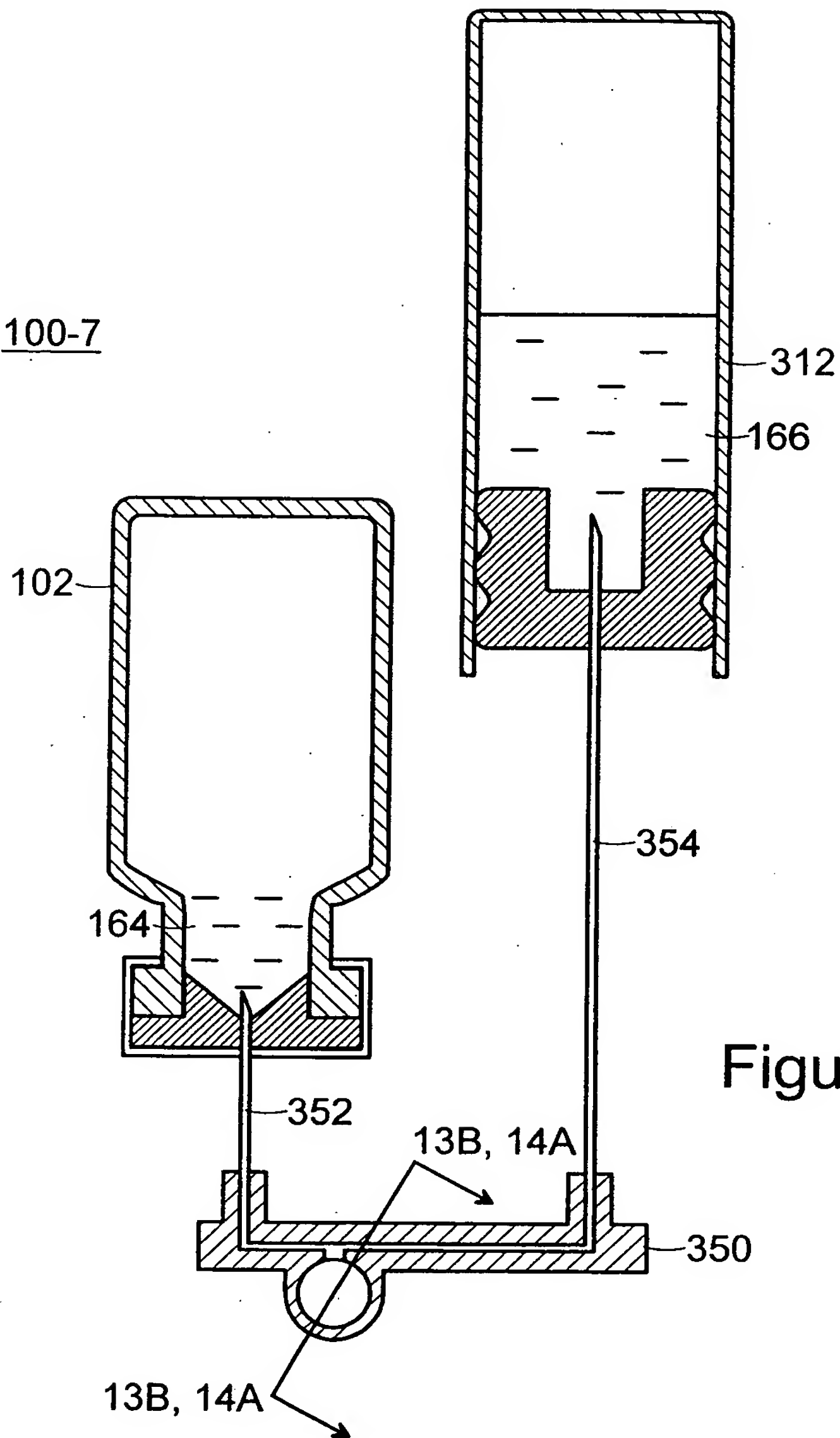


Figure 13A

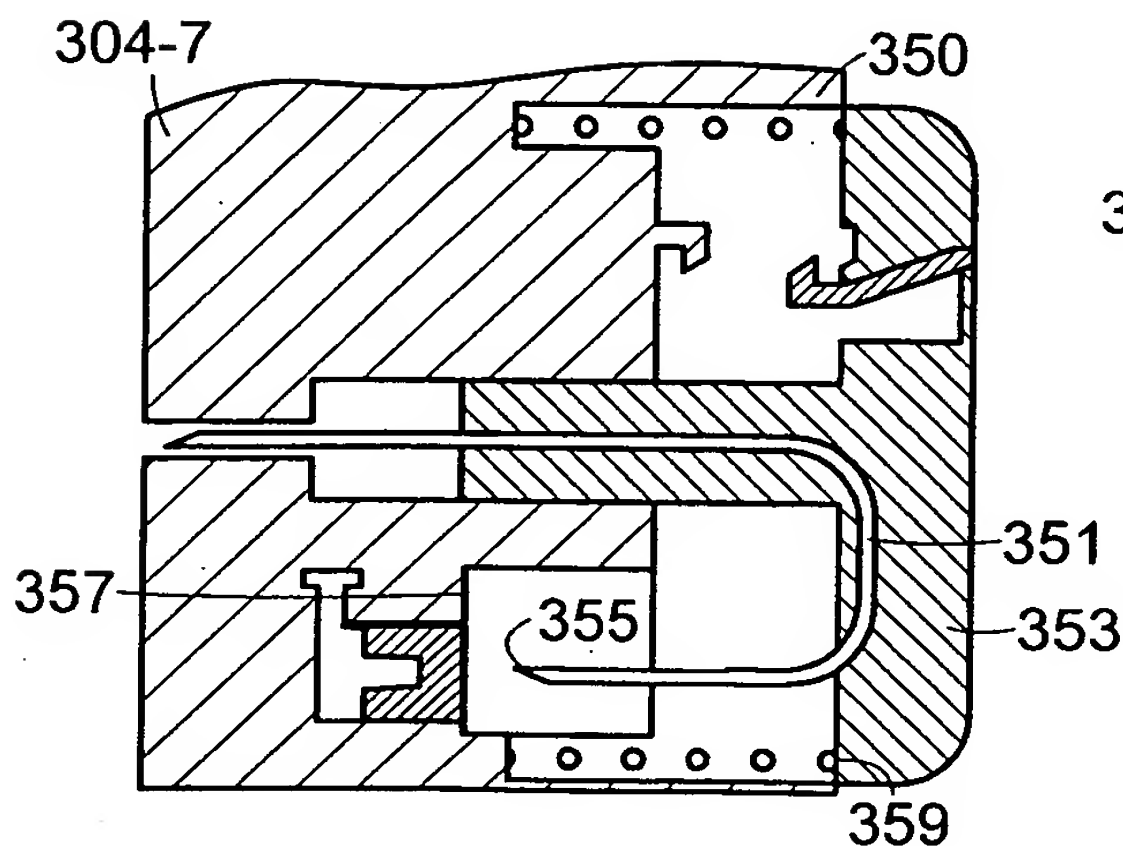


Figure 13B

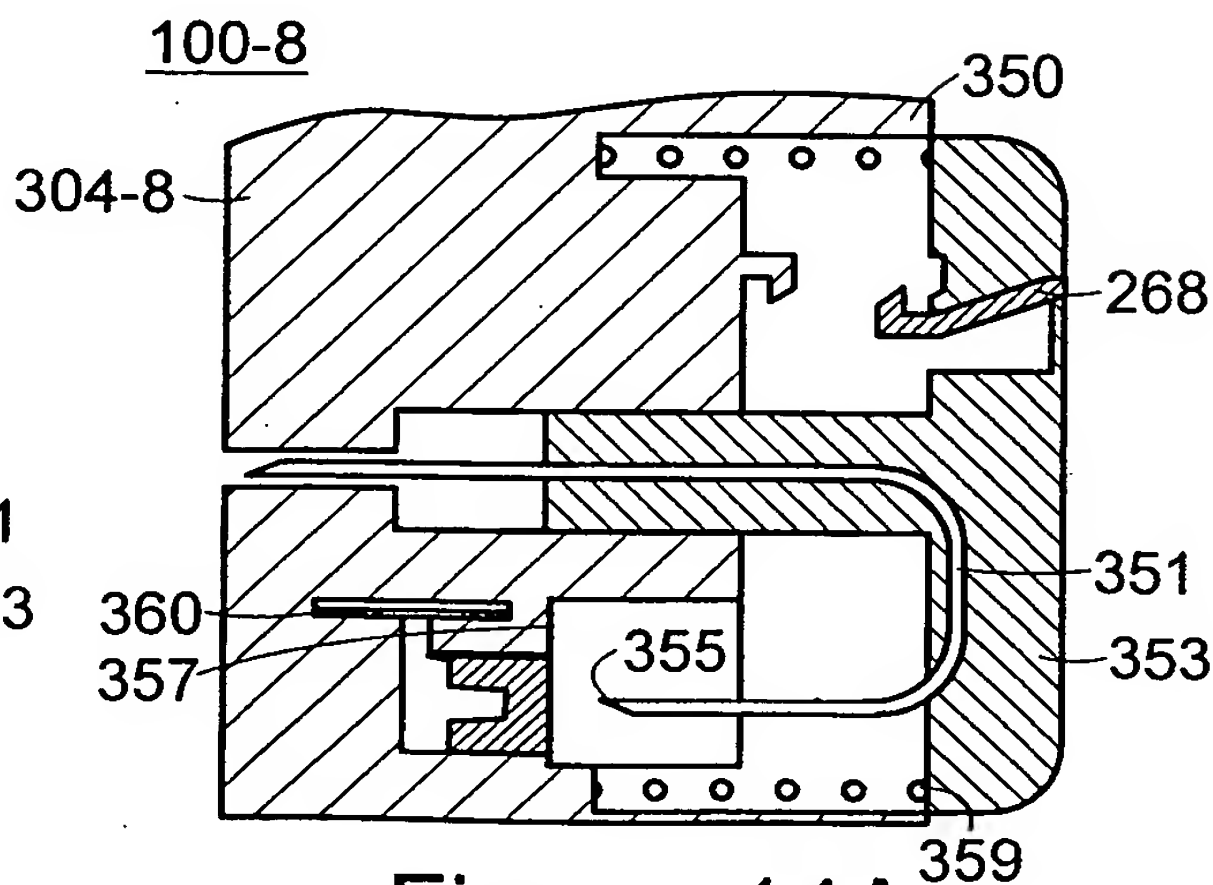
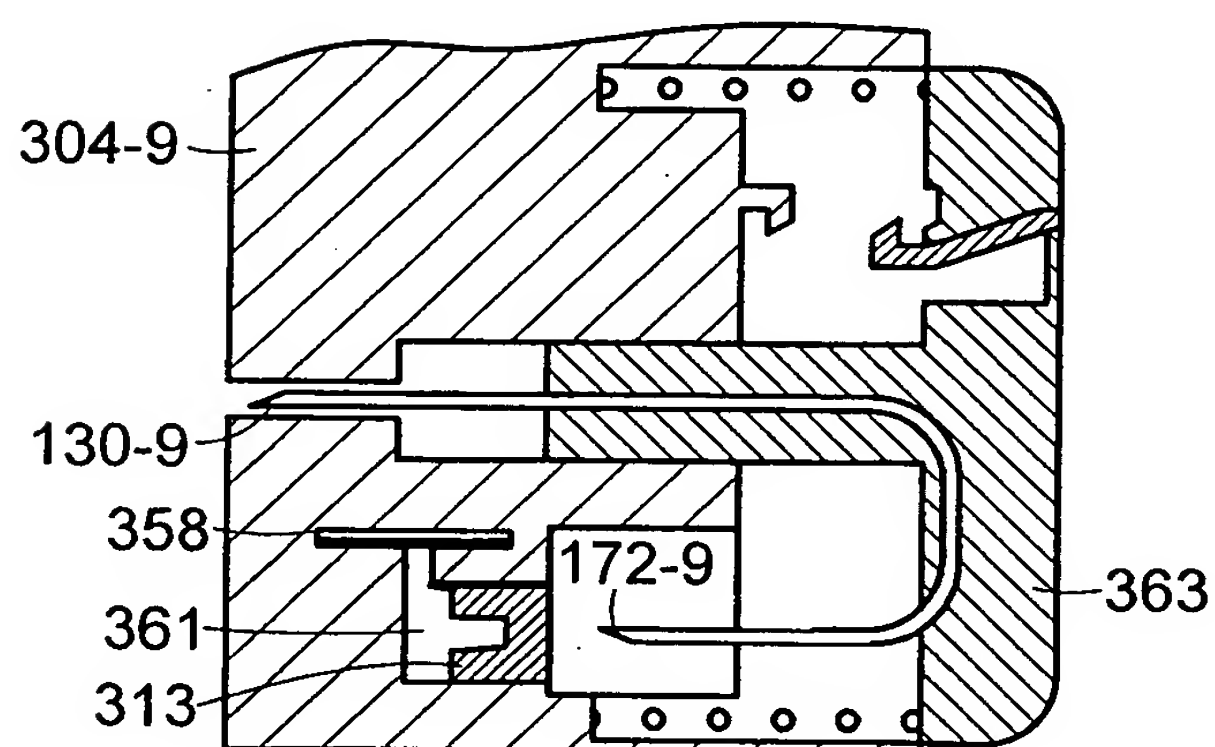
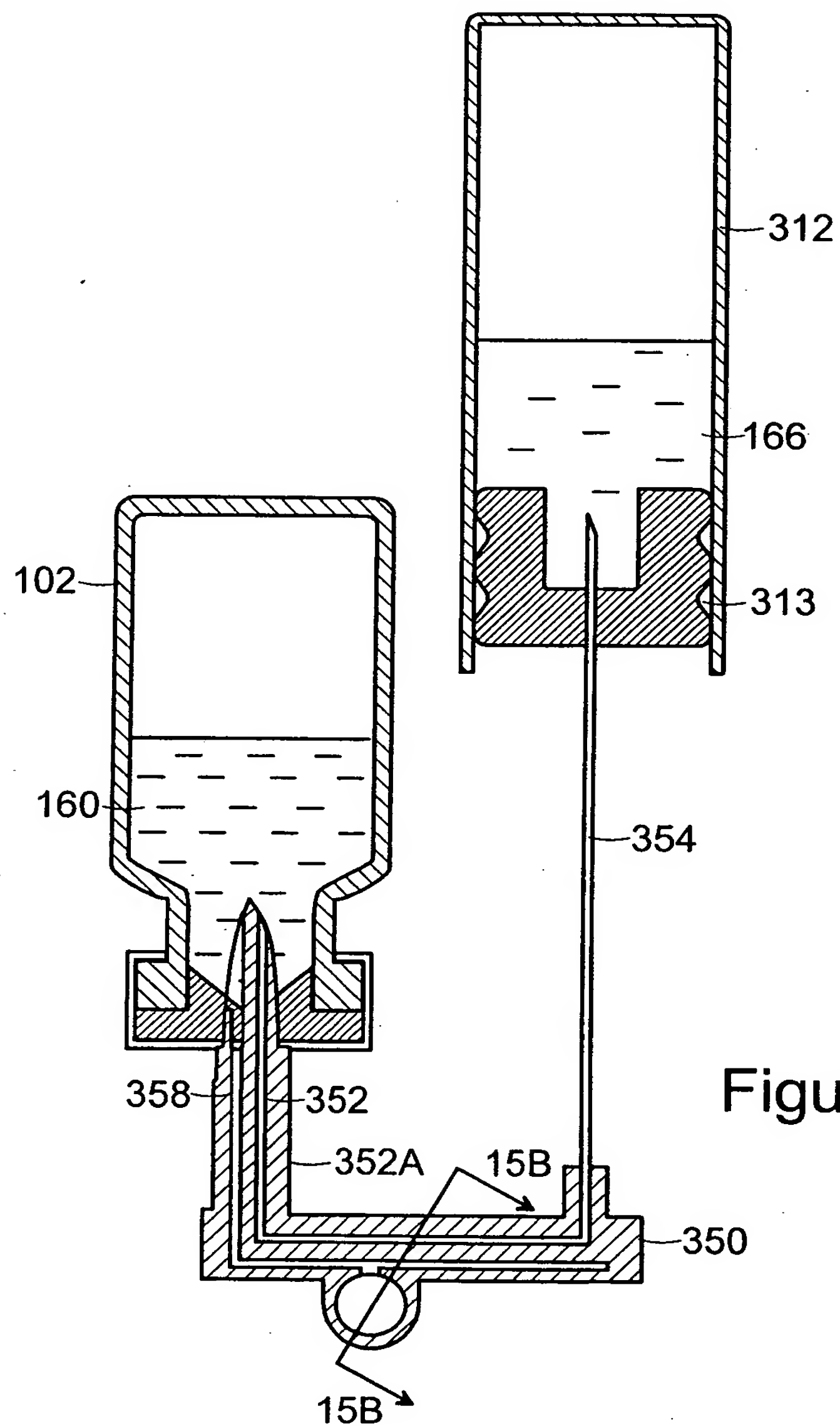


Figure 14A

39/76



40/76

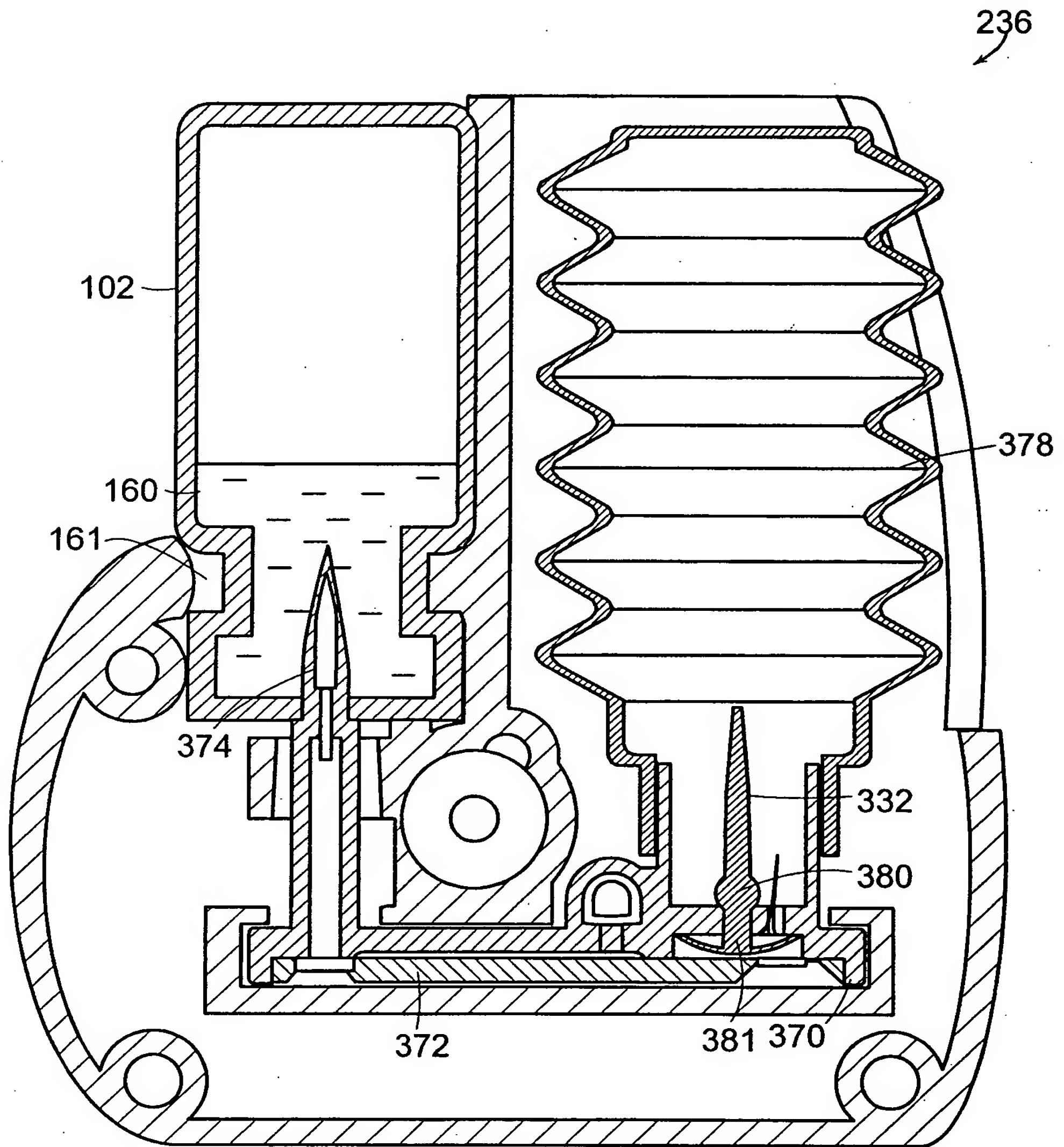


Figure 16



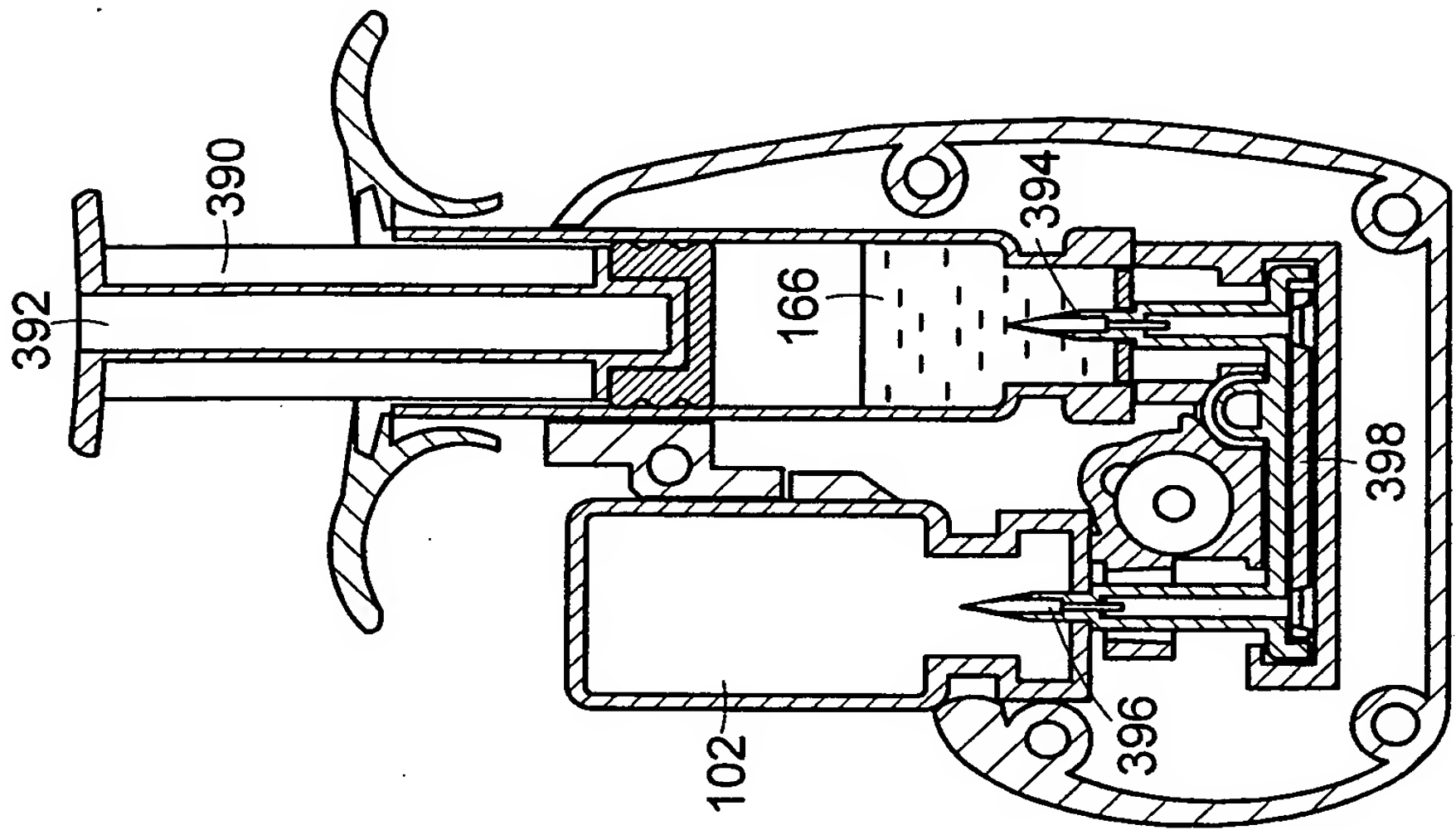


Figure 17A

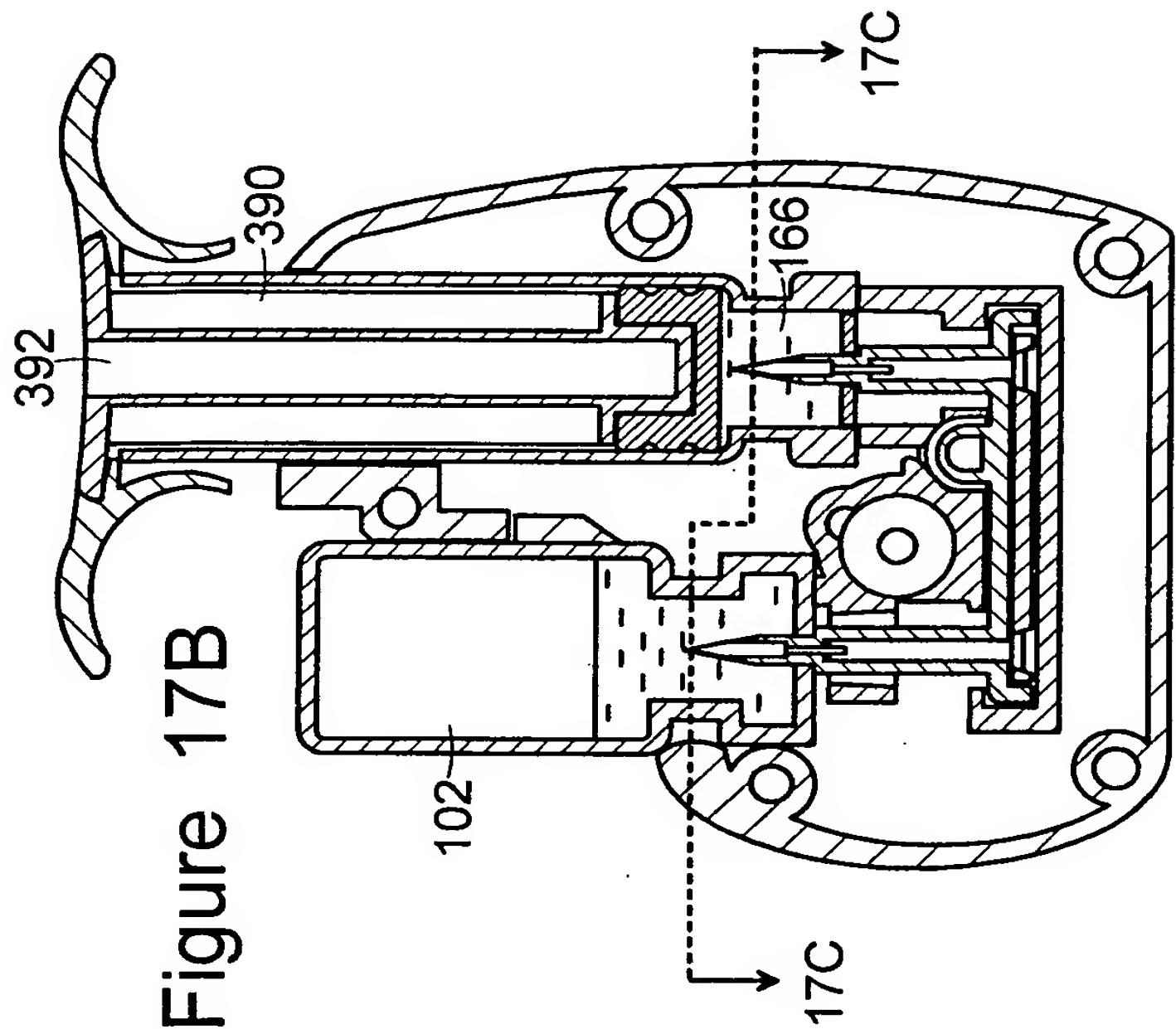


Figure 17B

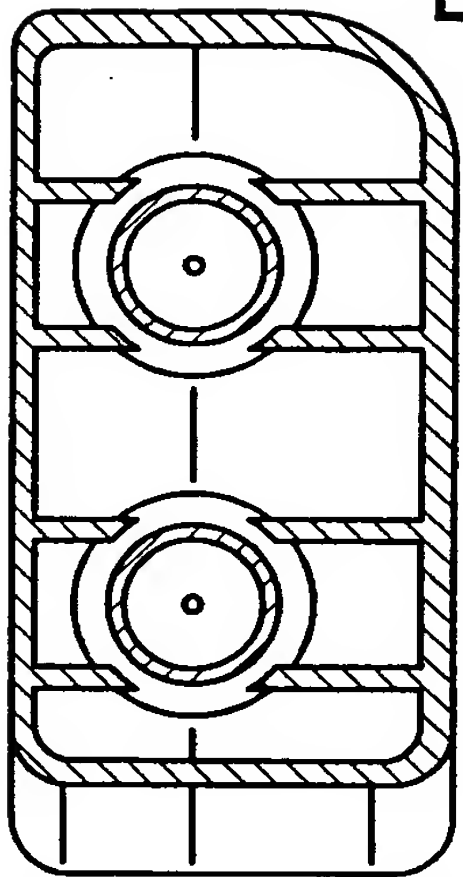
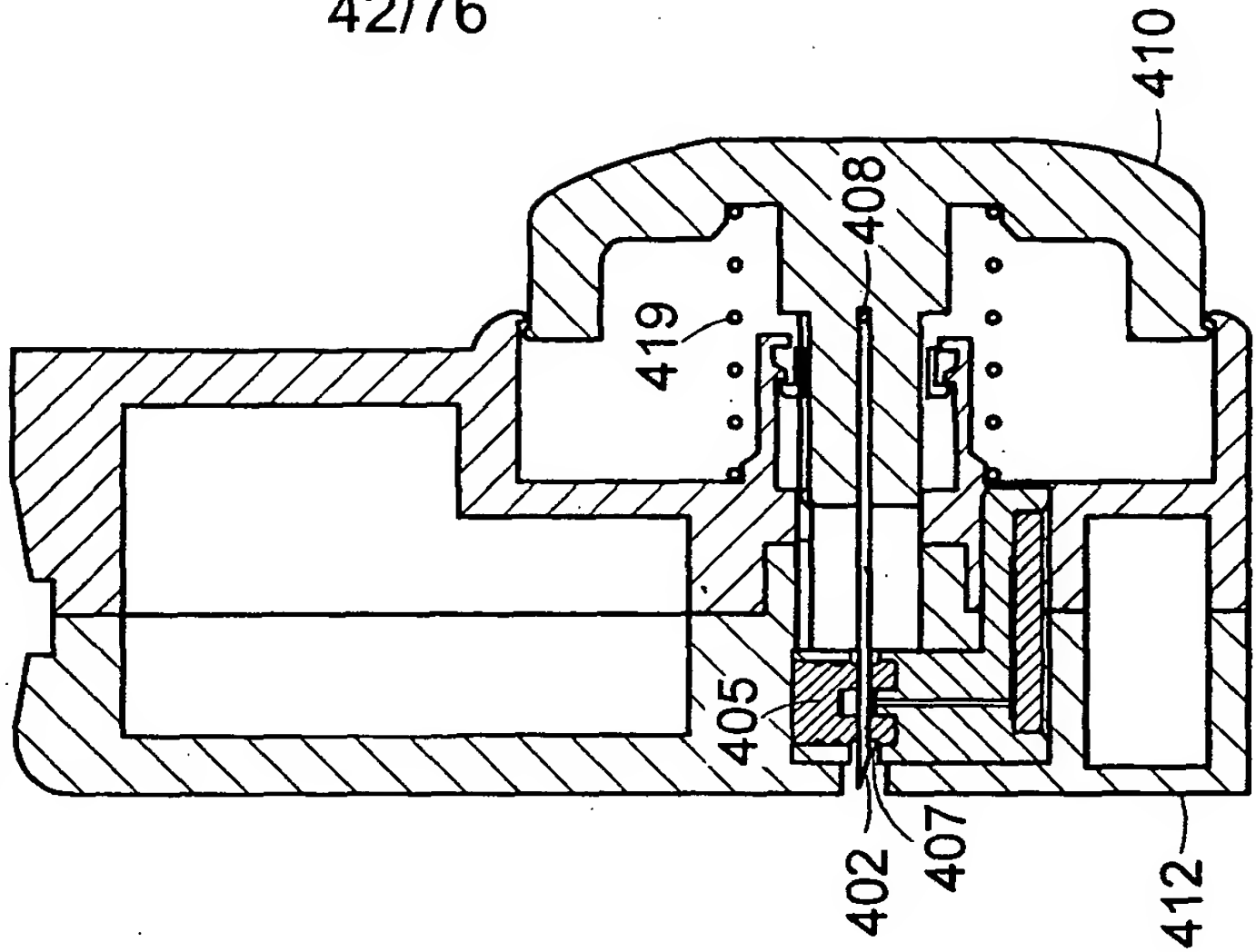
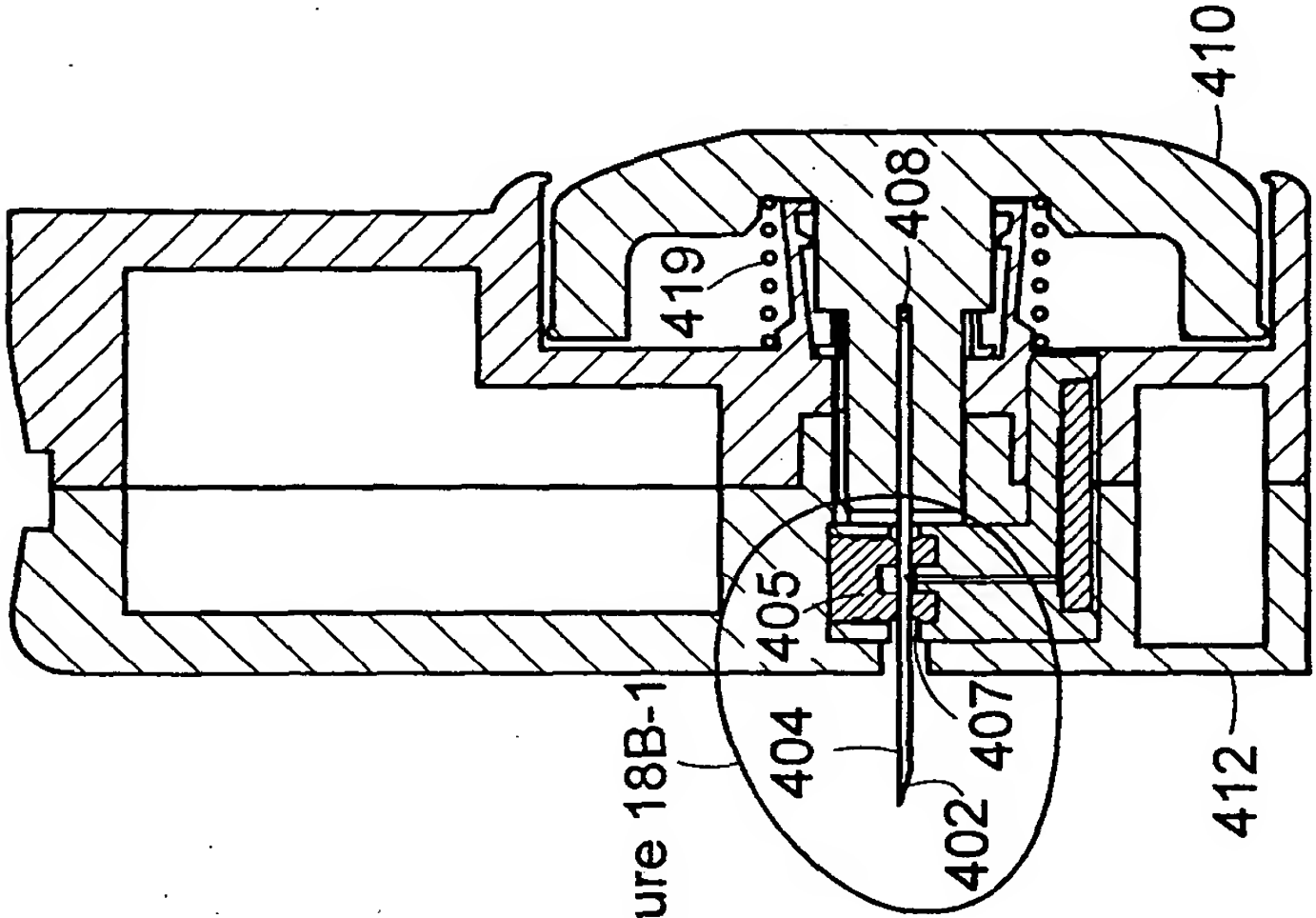
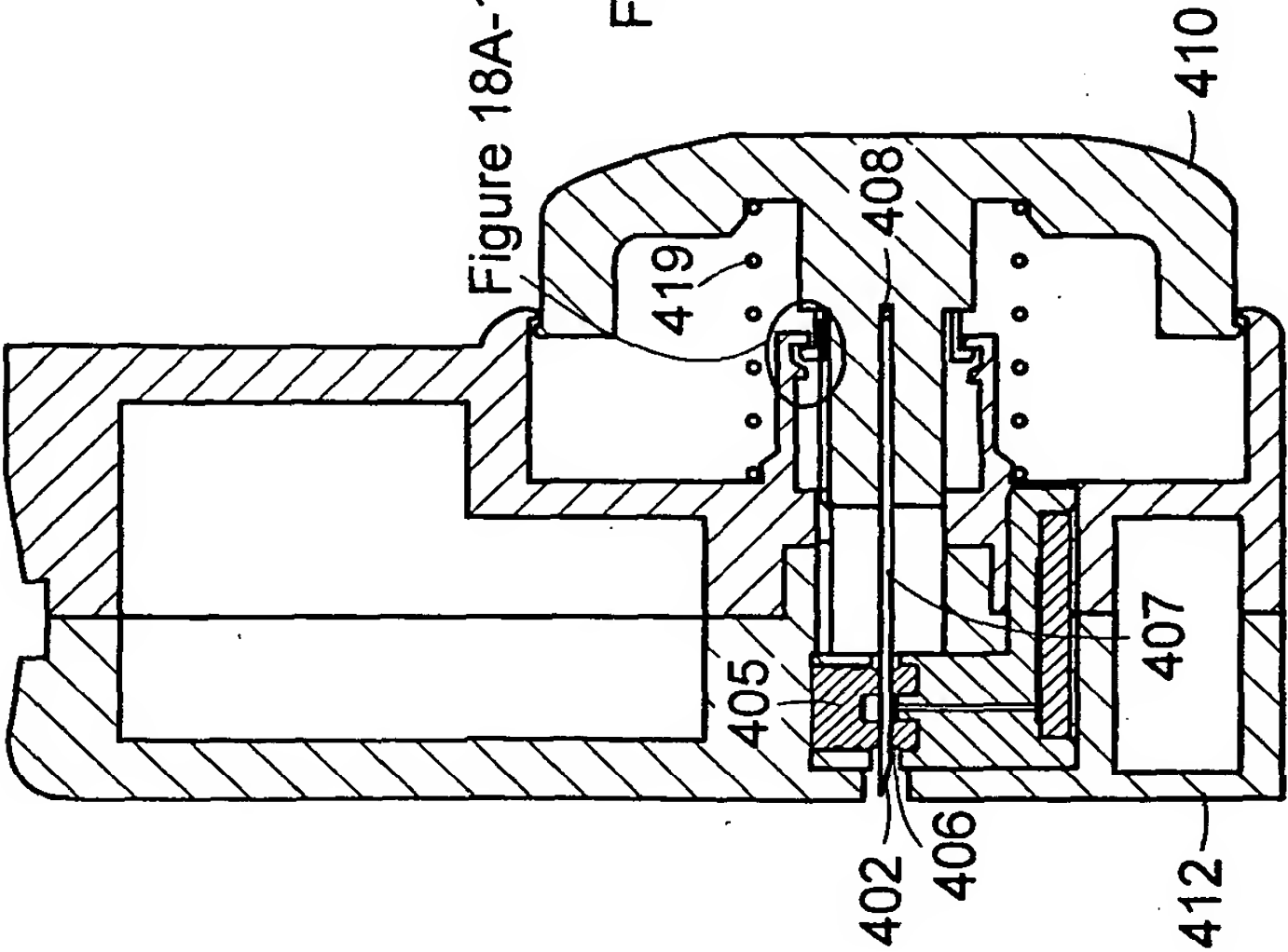
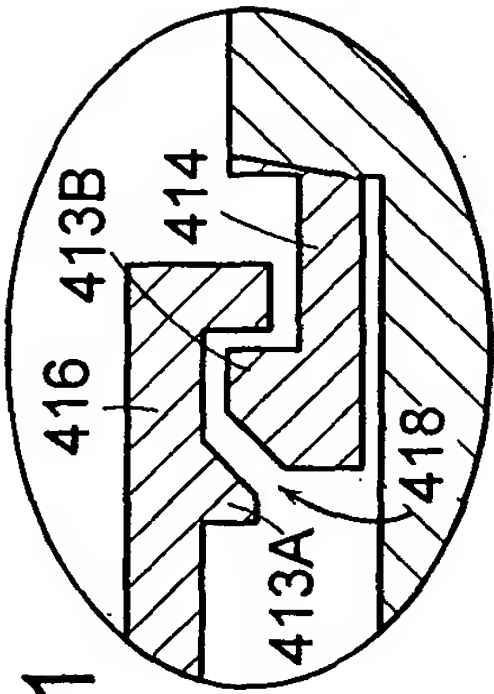
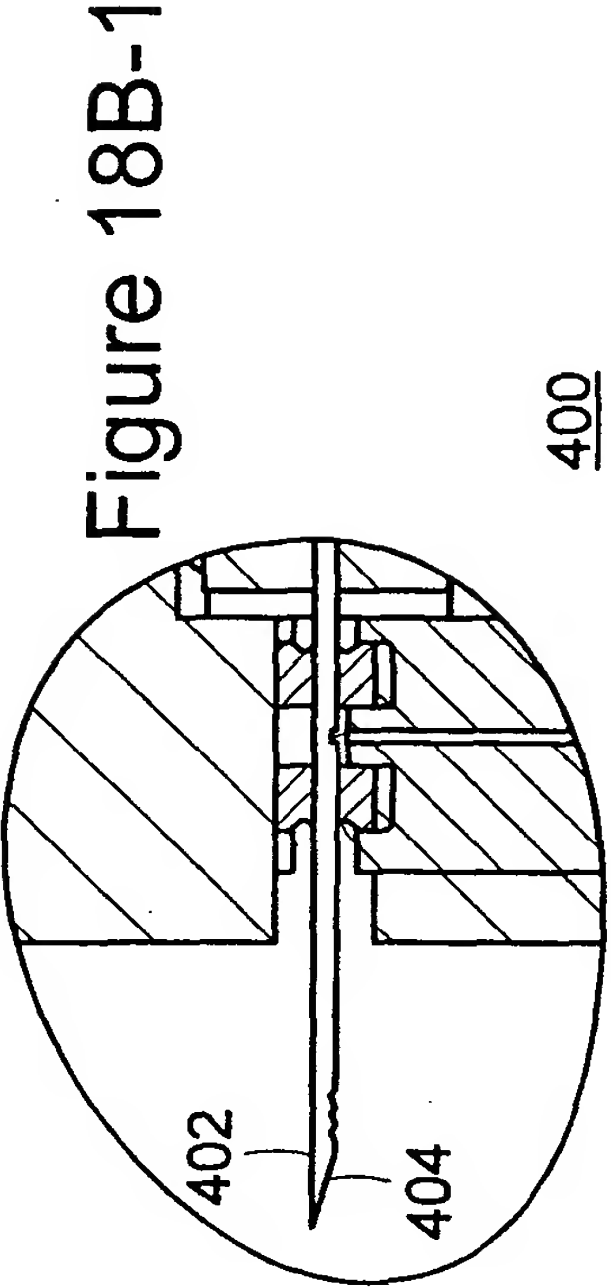


Figure 17C



43/76

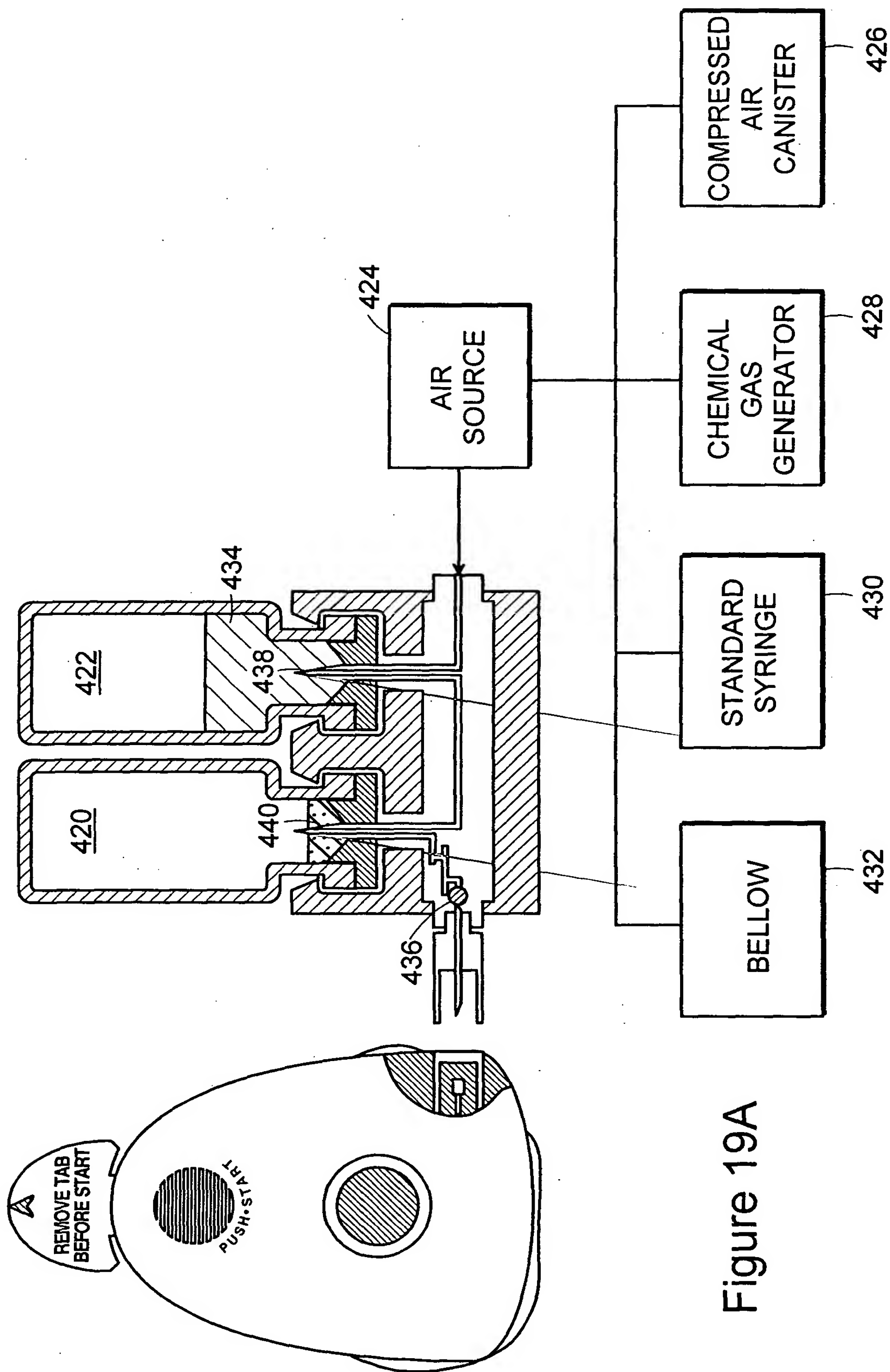
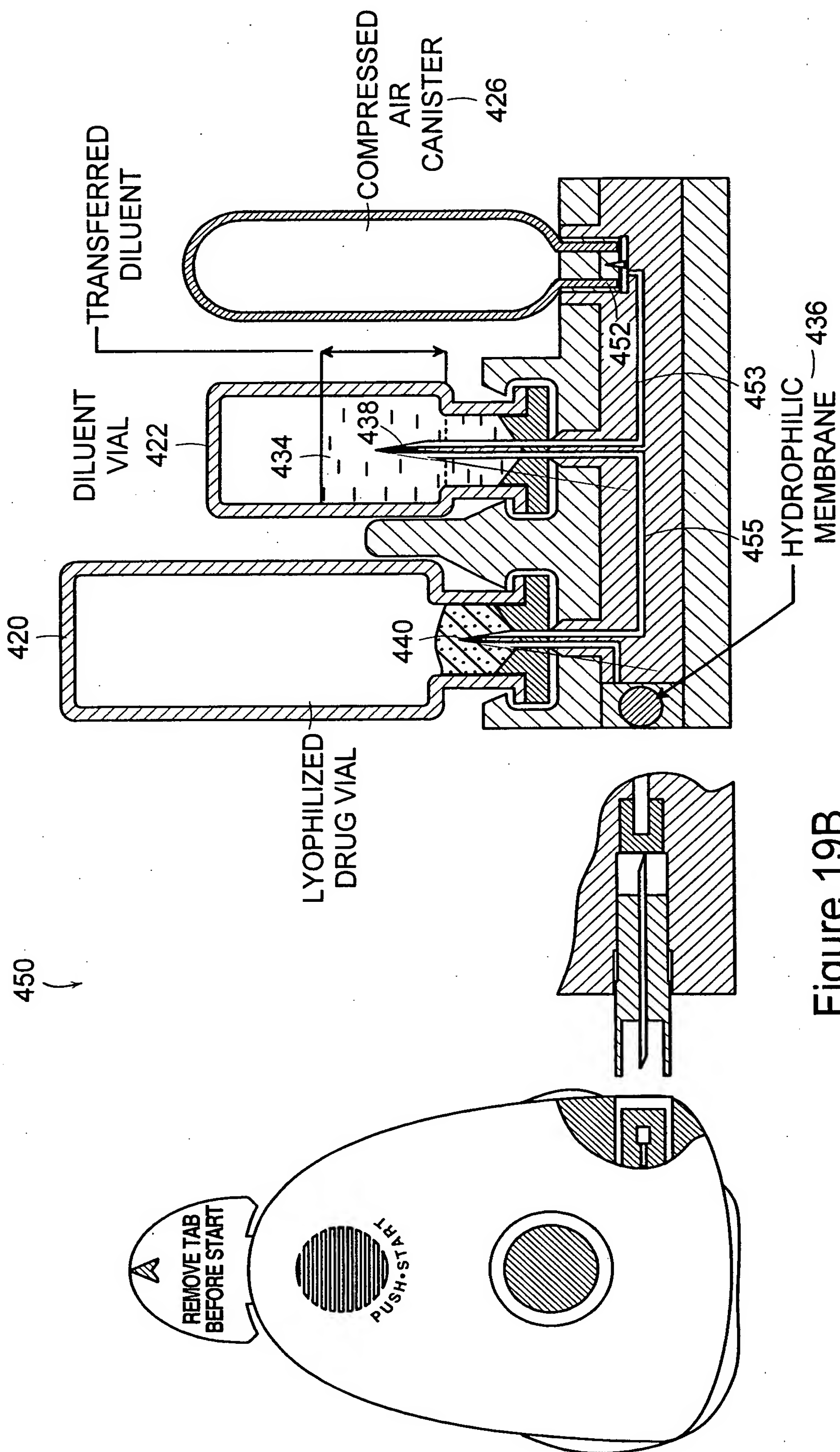


Figure 19A



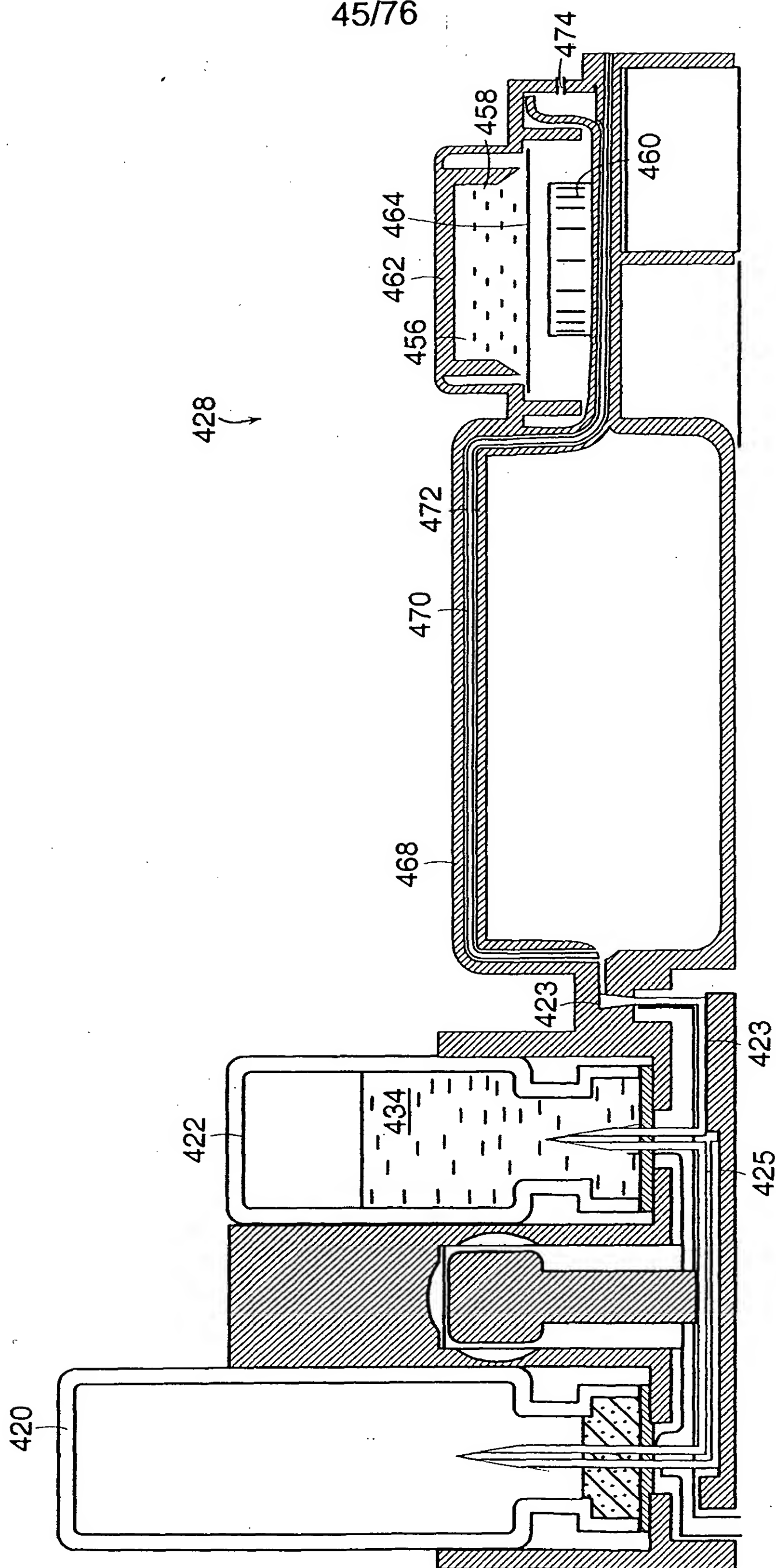


Figure 19C

46/76

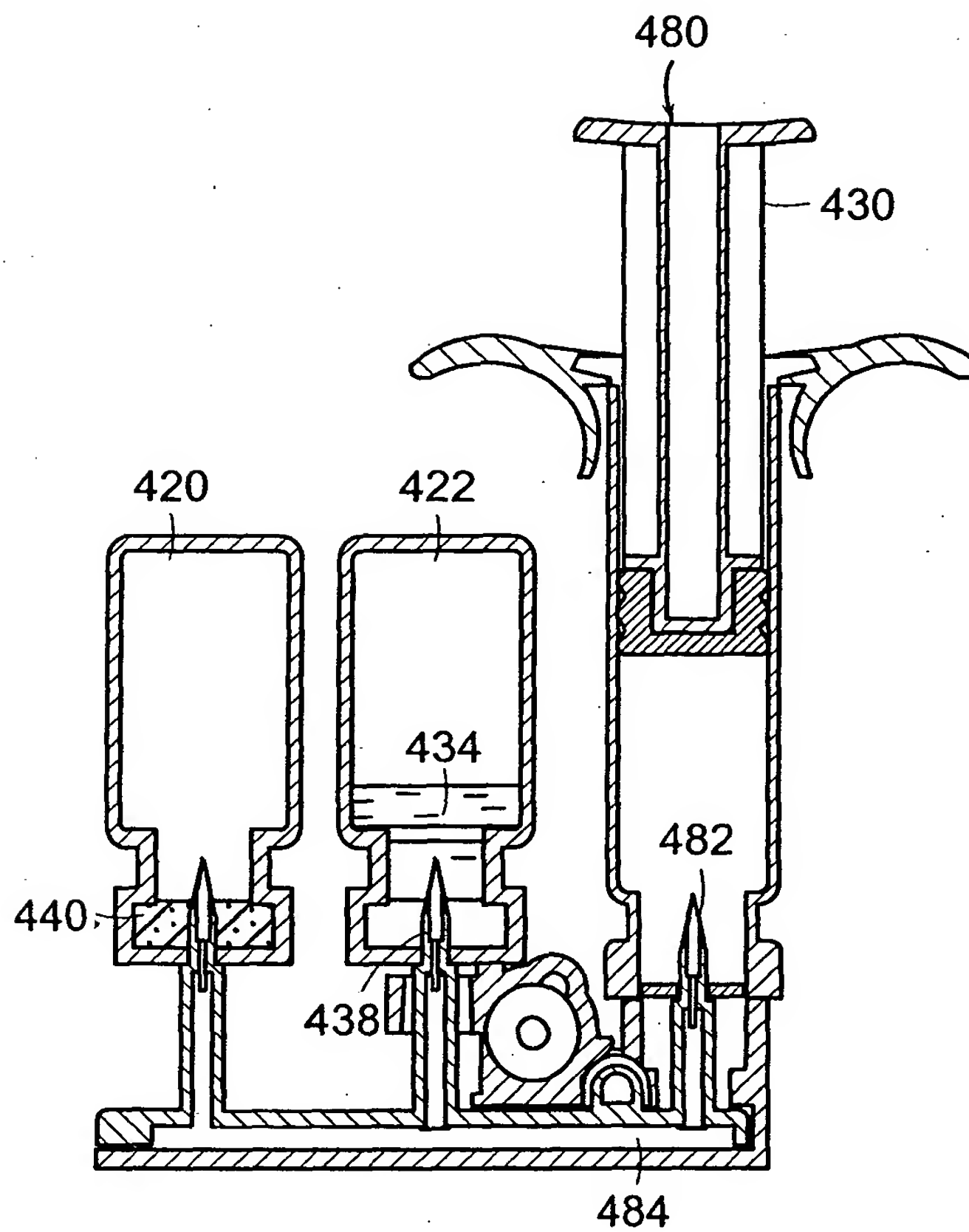


Figure 19D

47/76

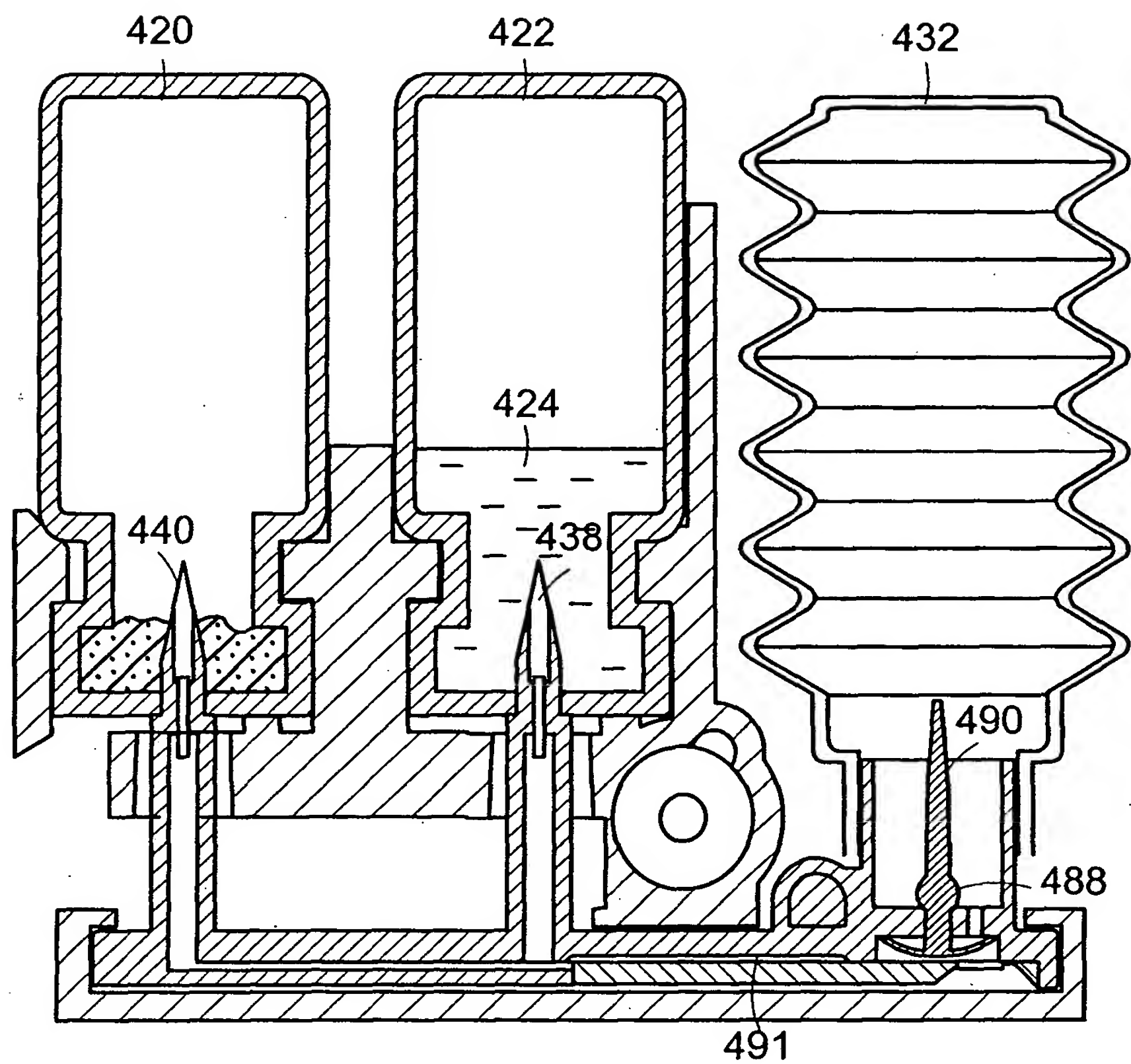


Figure 19E

48/76

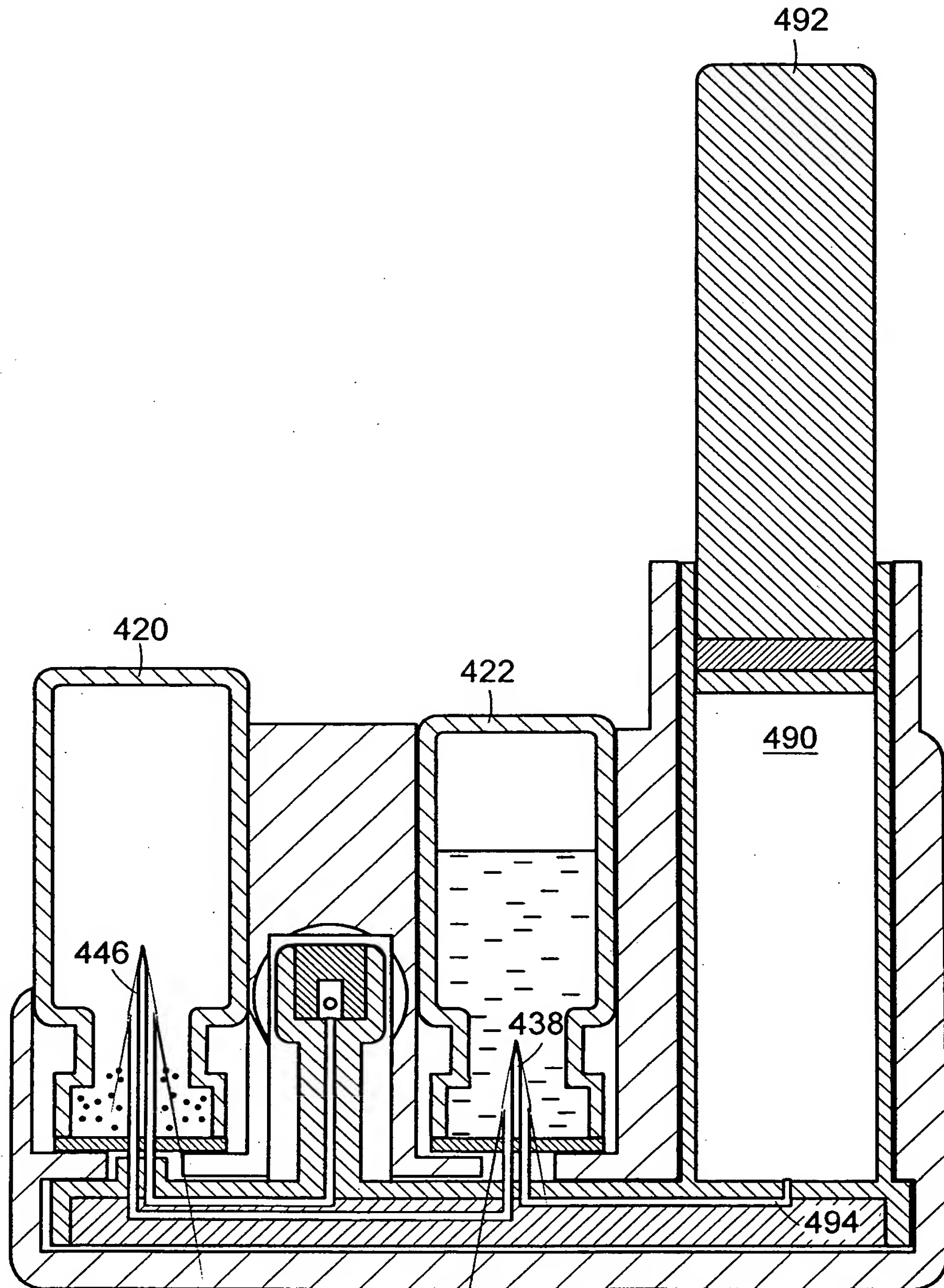


Figure 19F



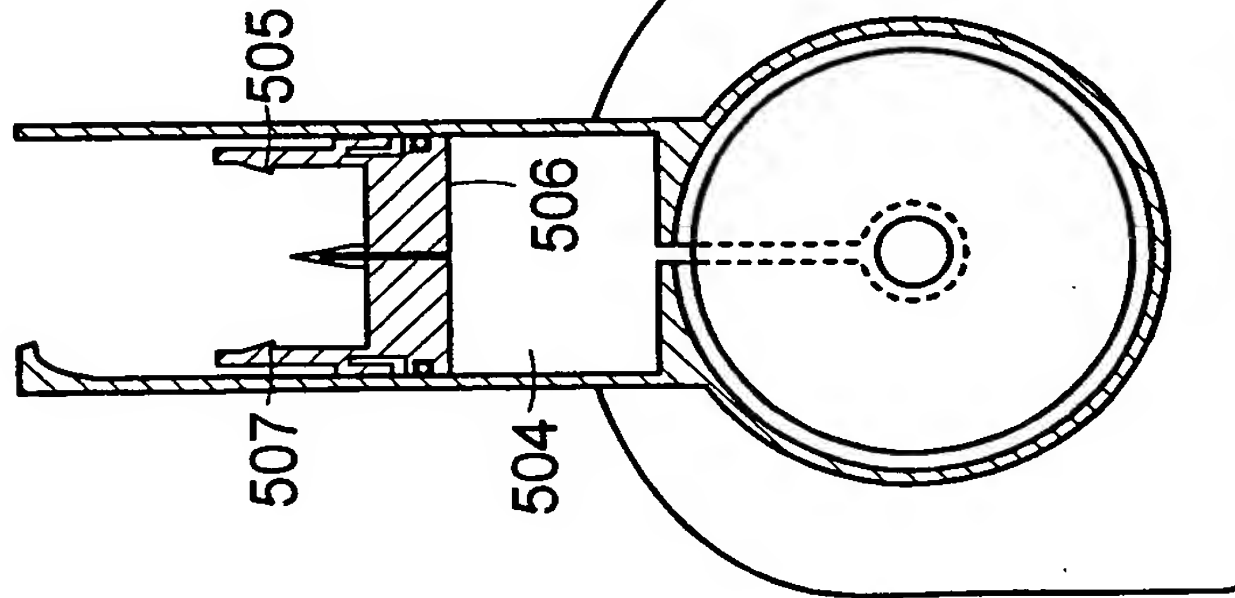
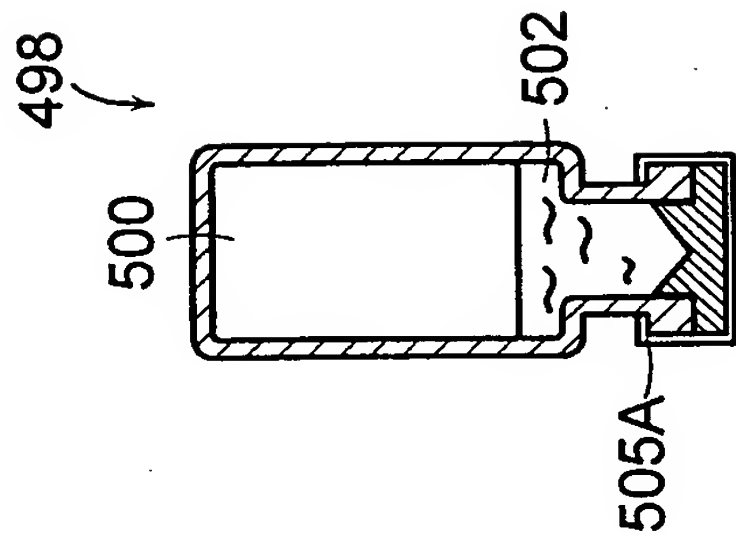


Figure 20A-1

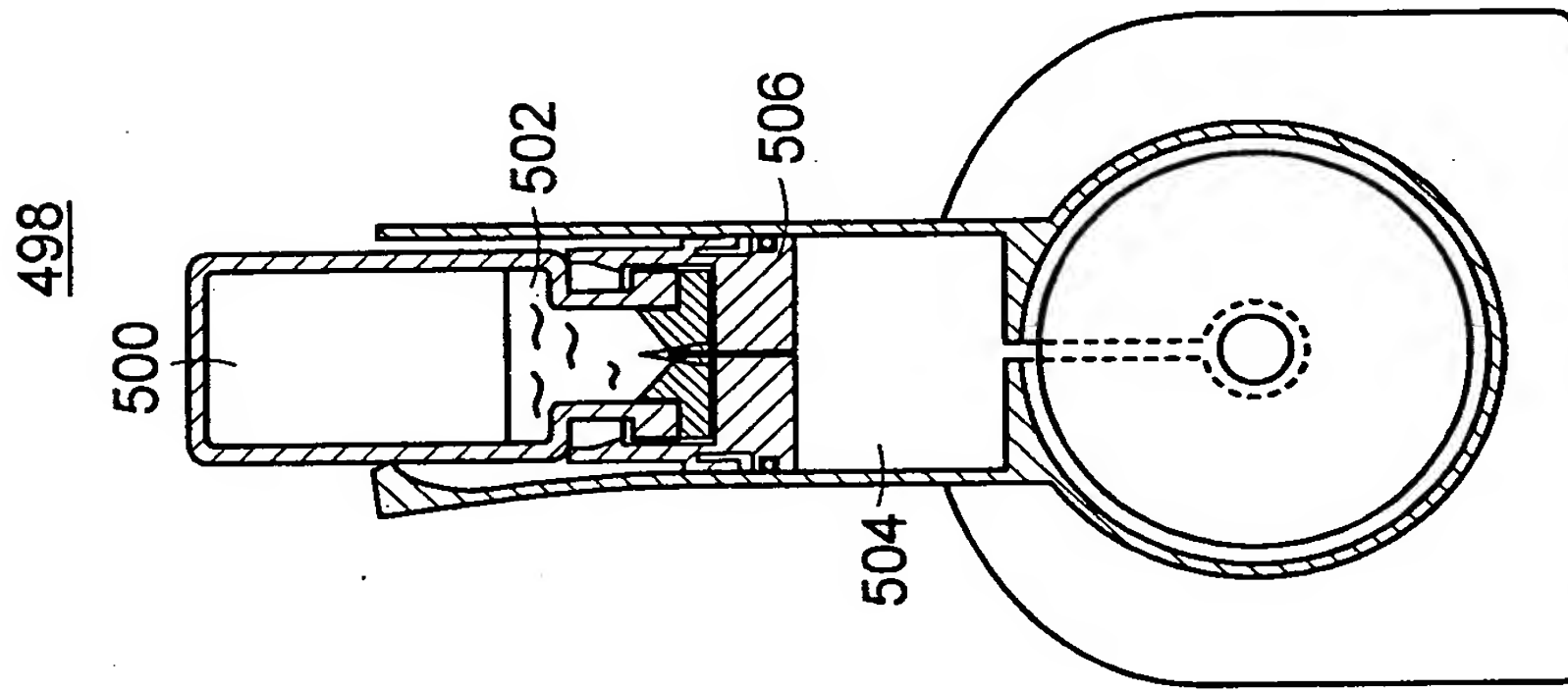


Figure 20A-2

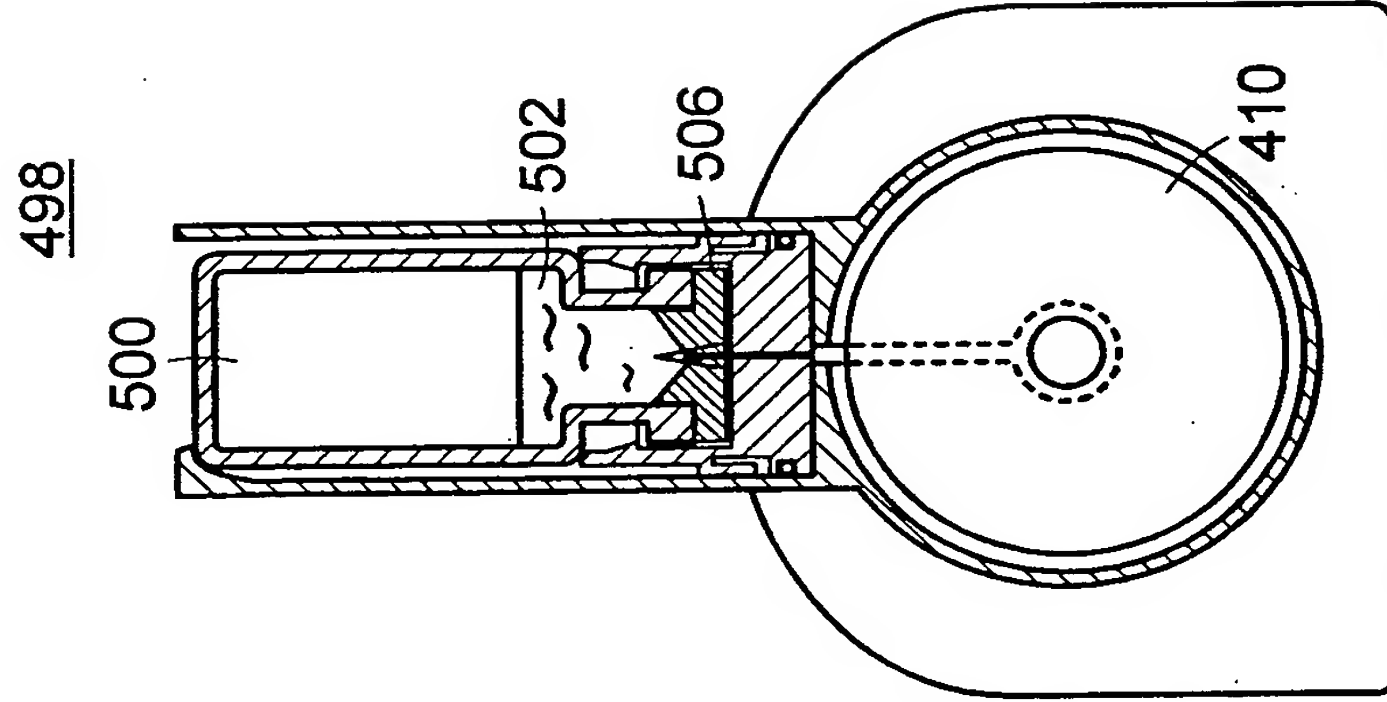


Figure 20A-3

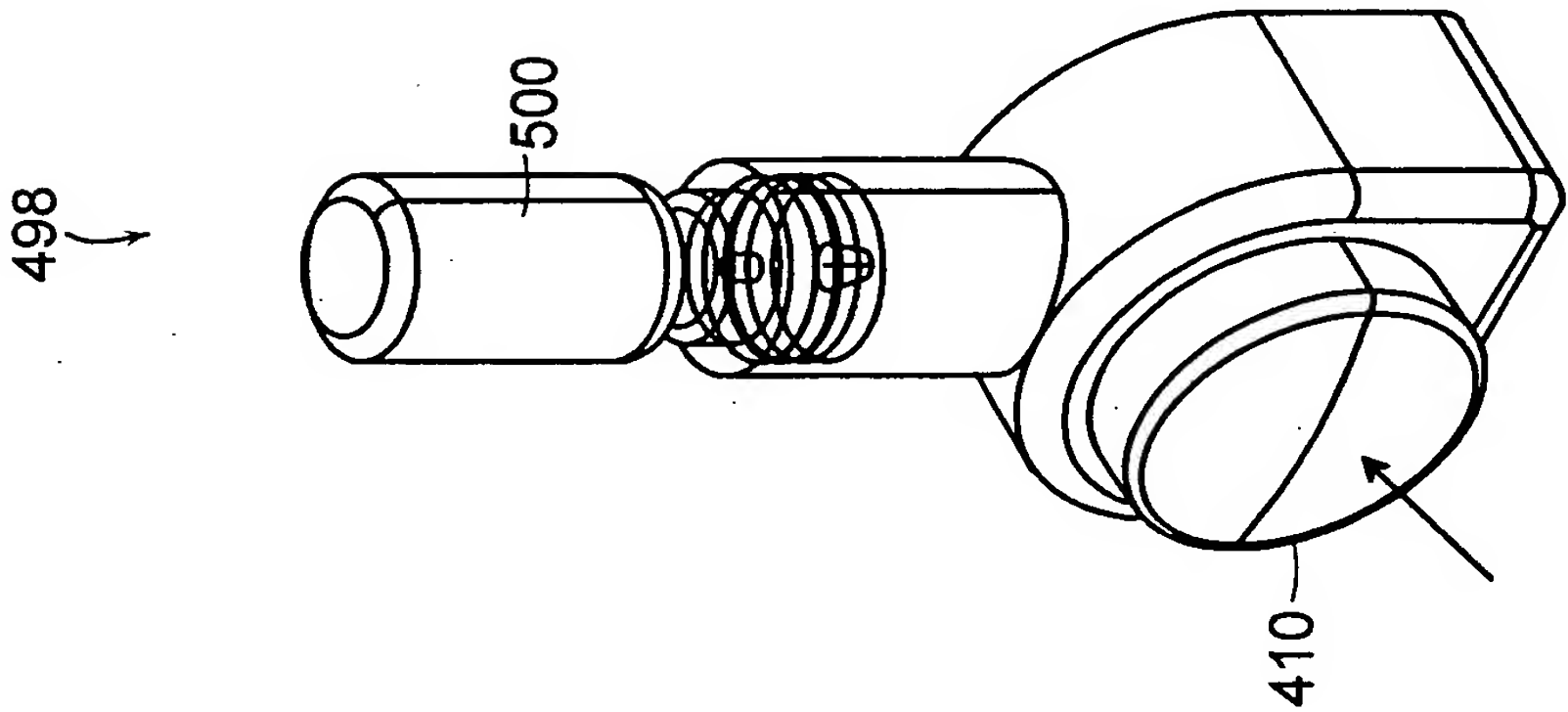


Figure 20B-1

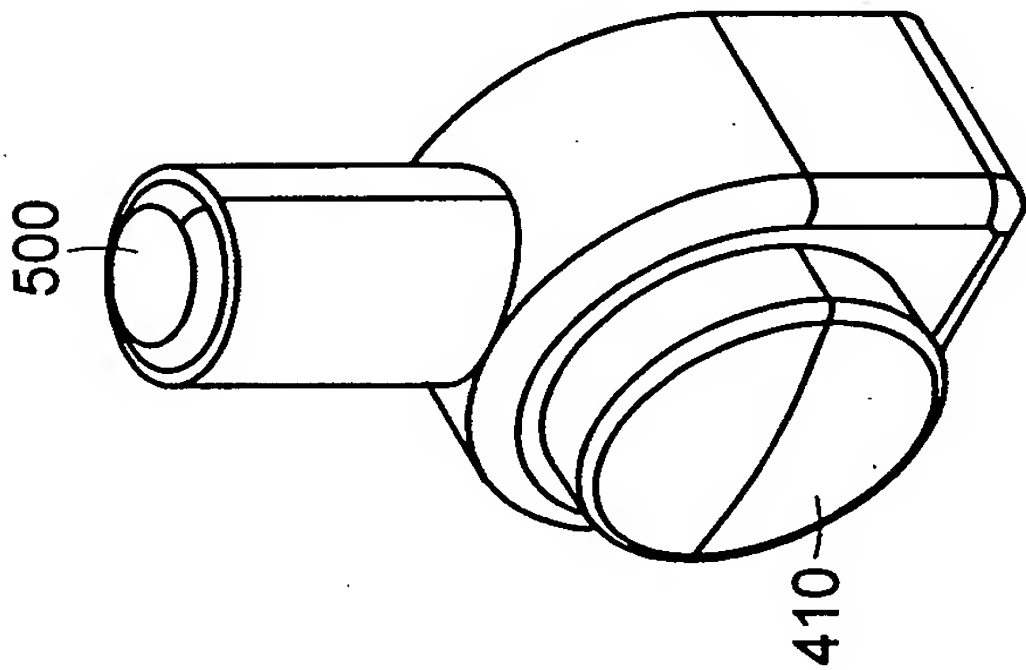


Figure 20B-2

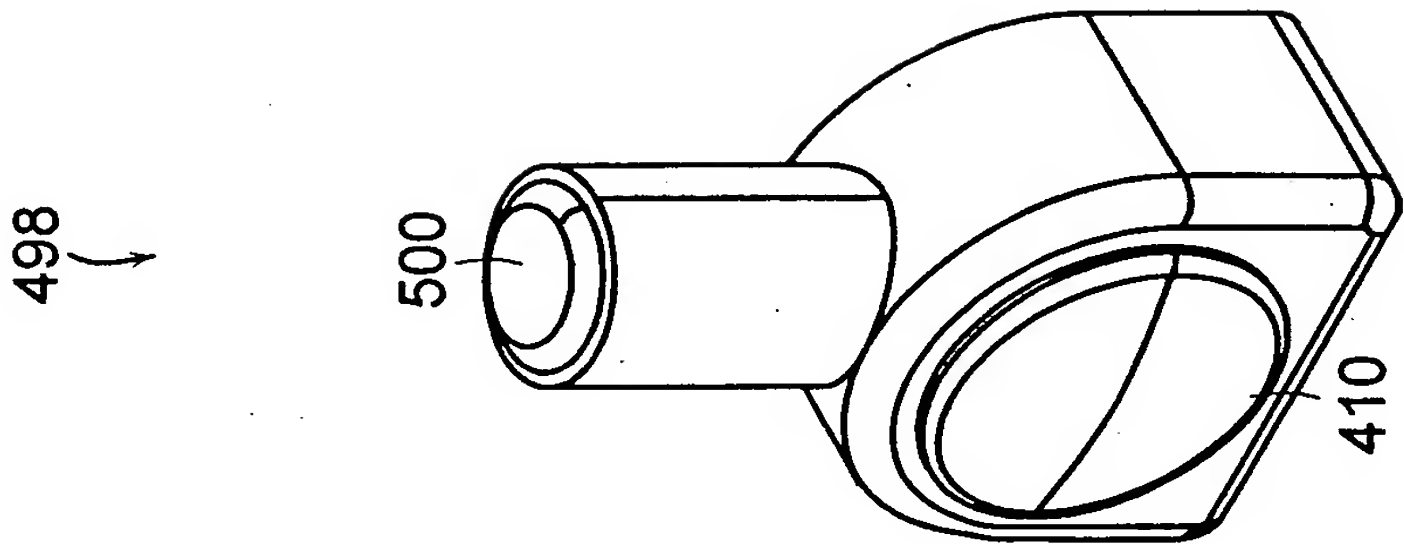


Figure 20B-3

51/76

498 ↗

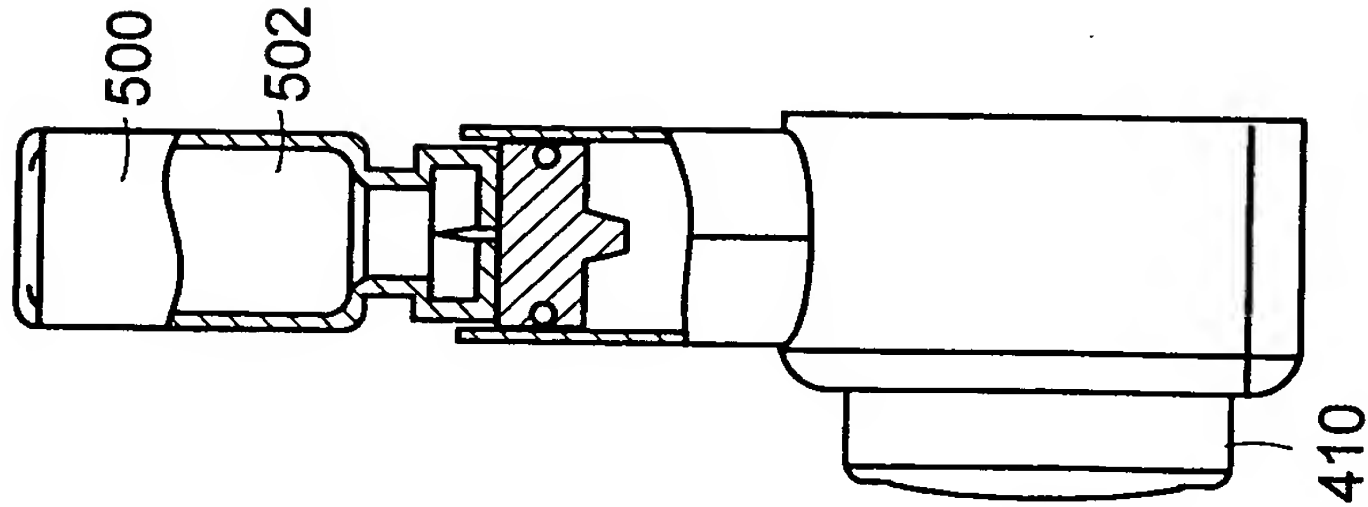


Figure 20C-1

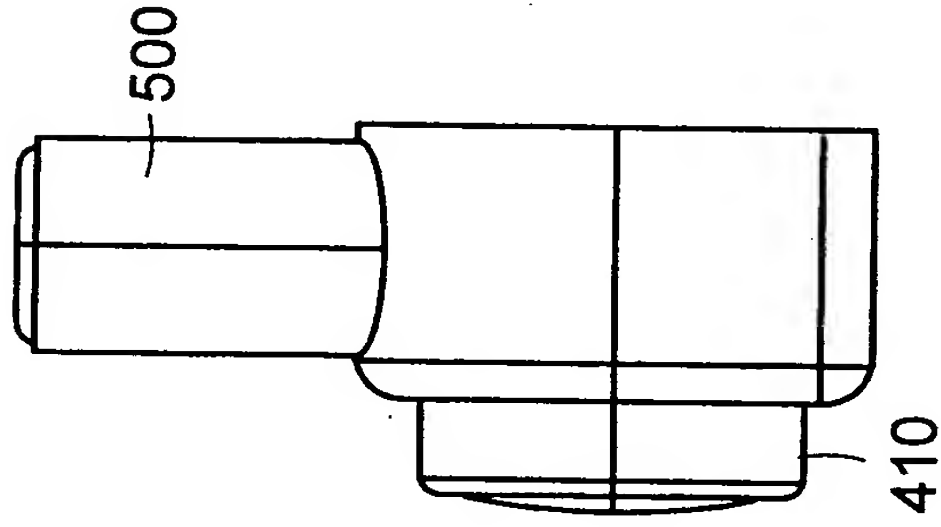


Figure 20C-2

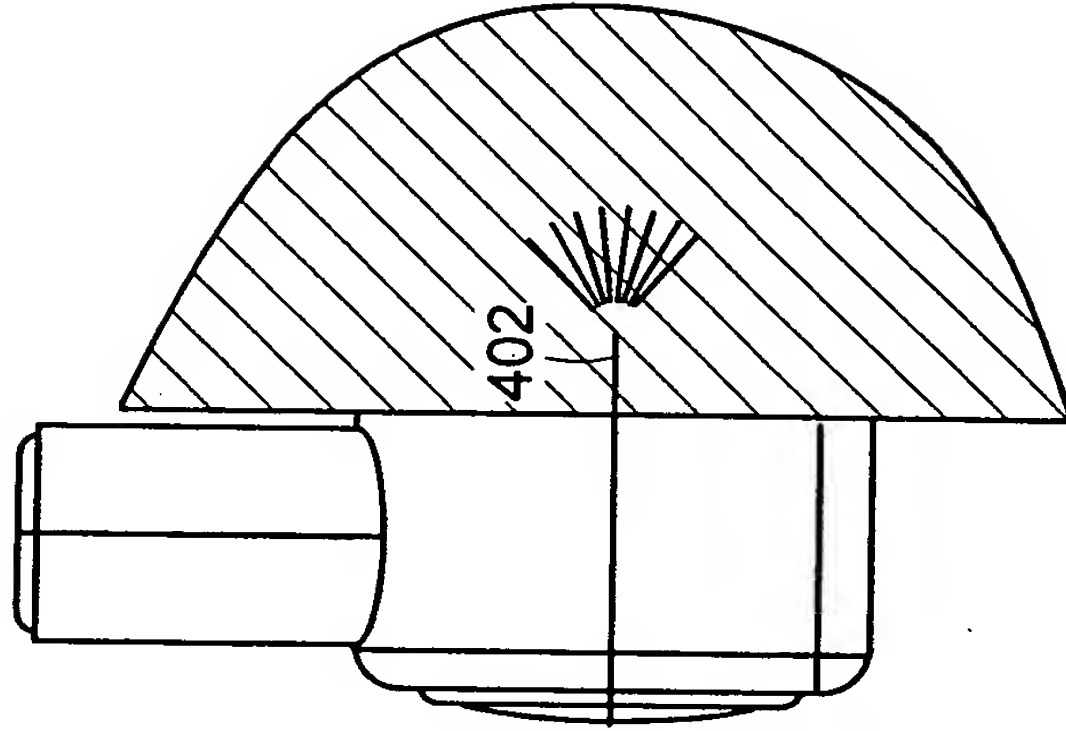


Figure 20C-3



53/76

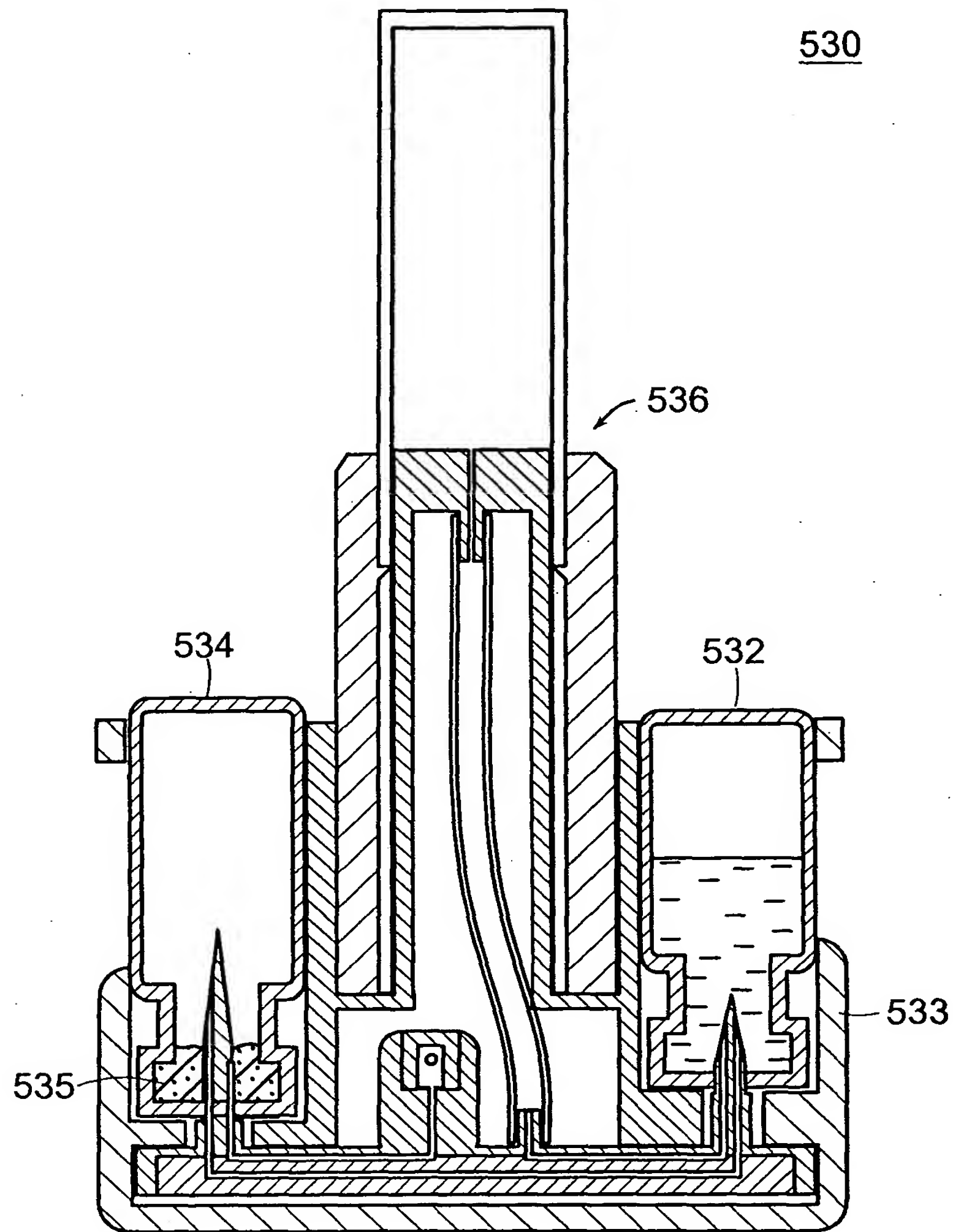


Figure 22A

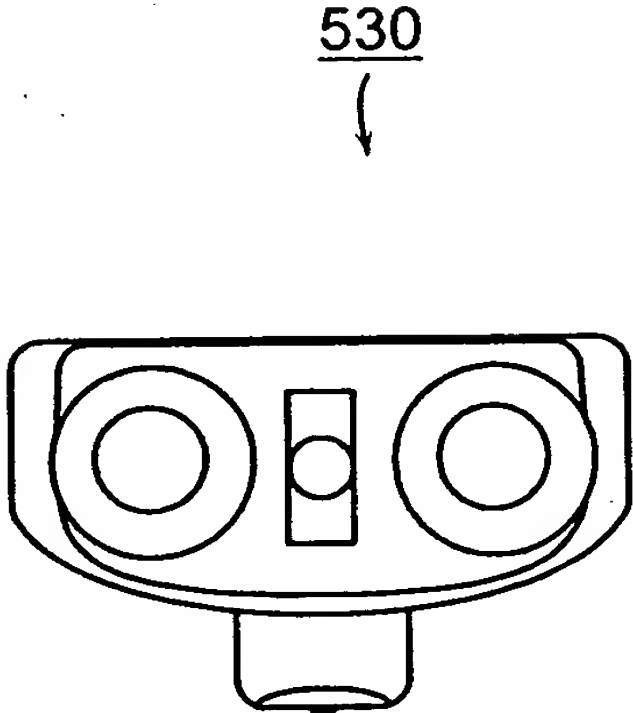


Figure 22B

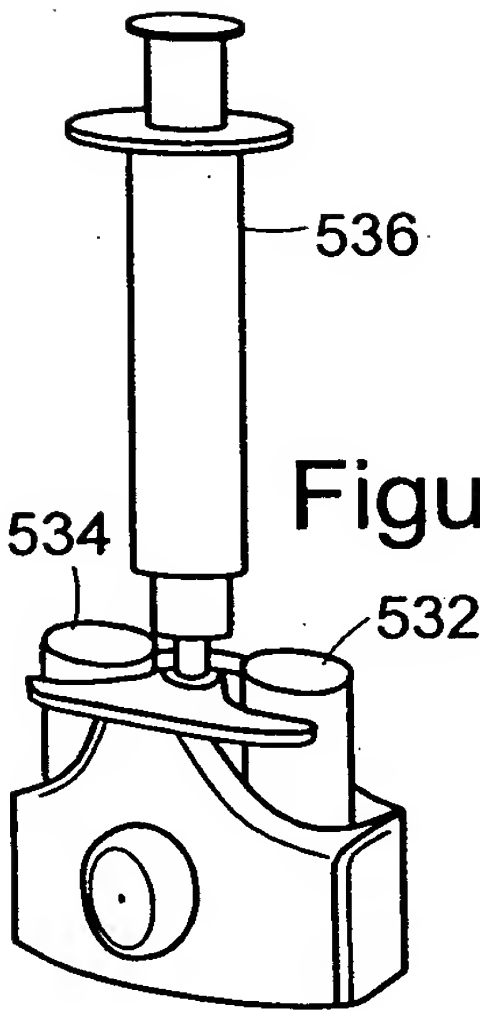


Figure 22C

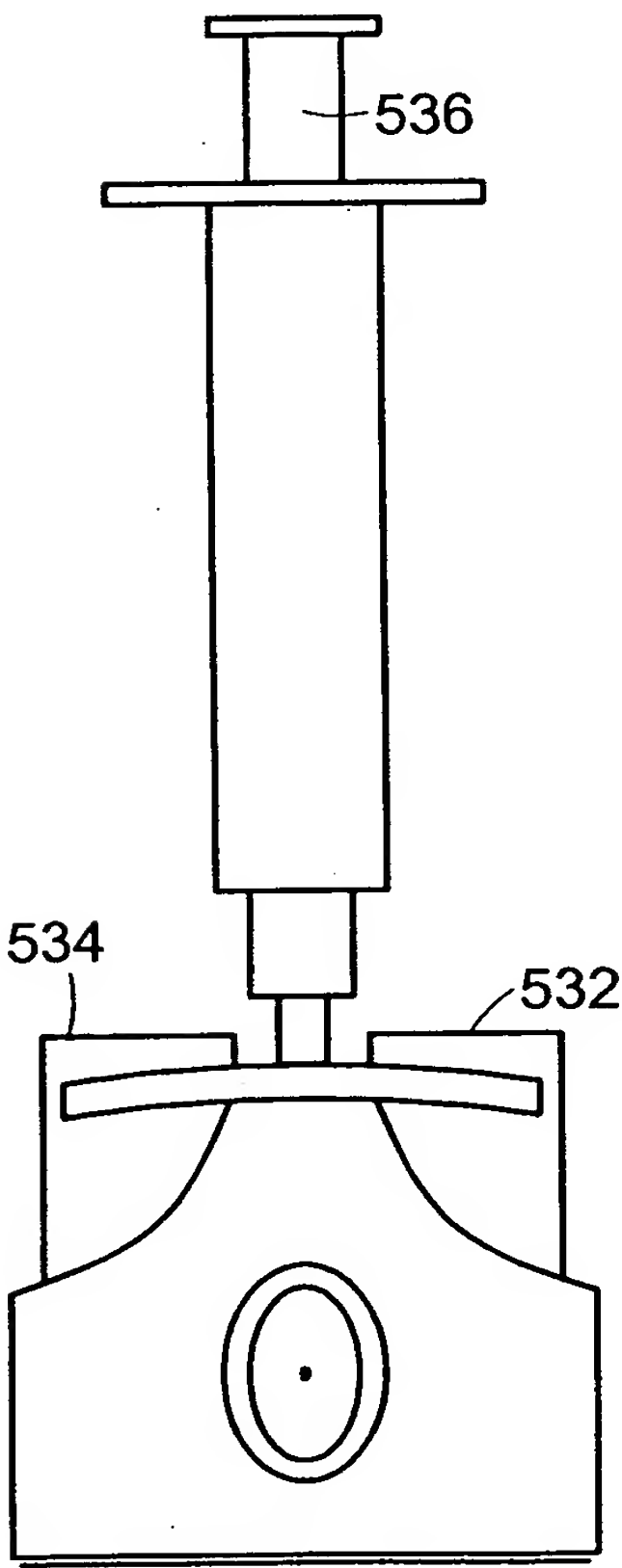


Figure 22D

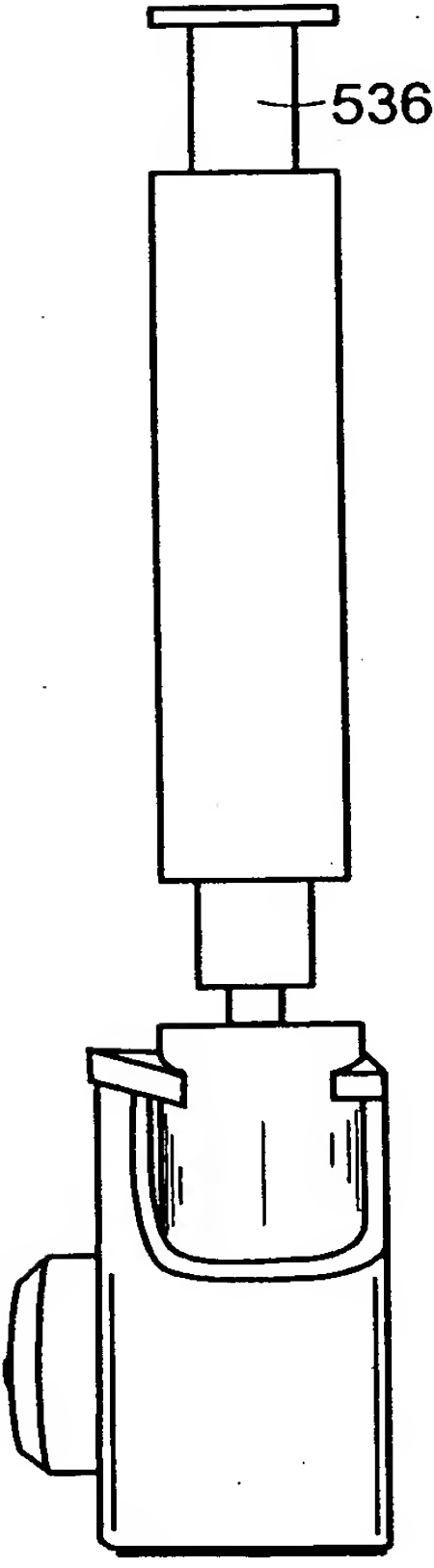


Figure 22E

55/76

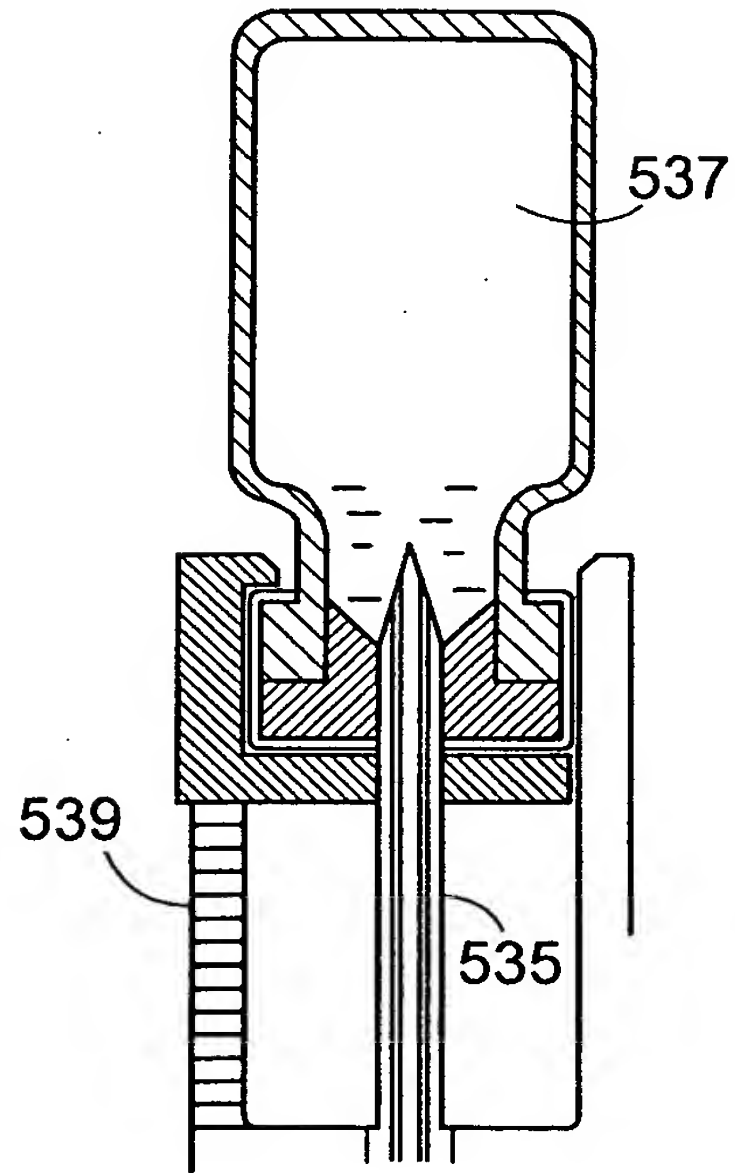


Figure 23A

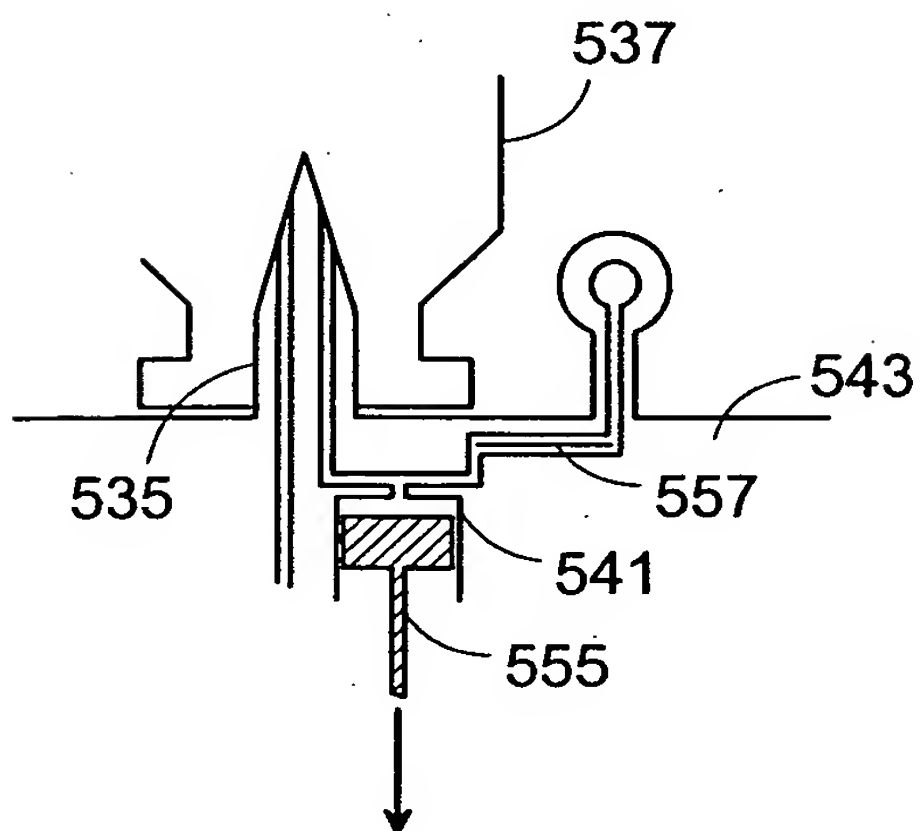


Figure 23B

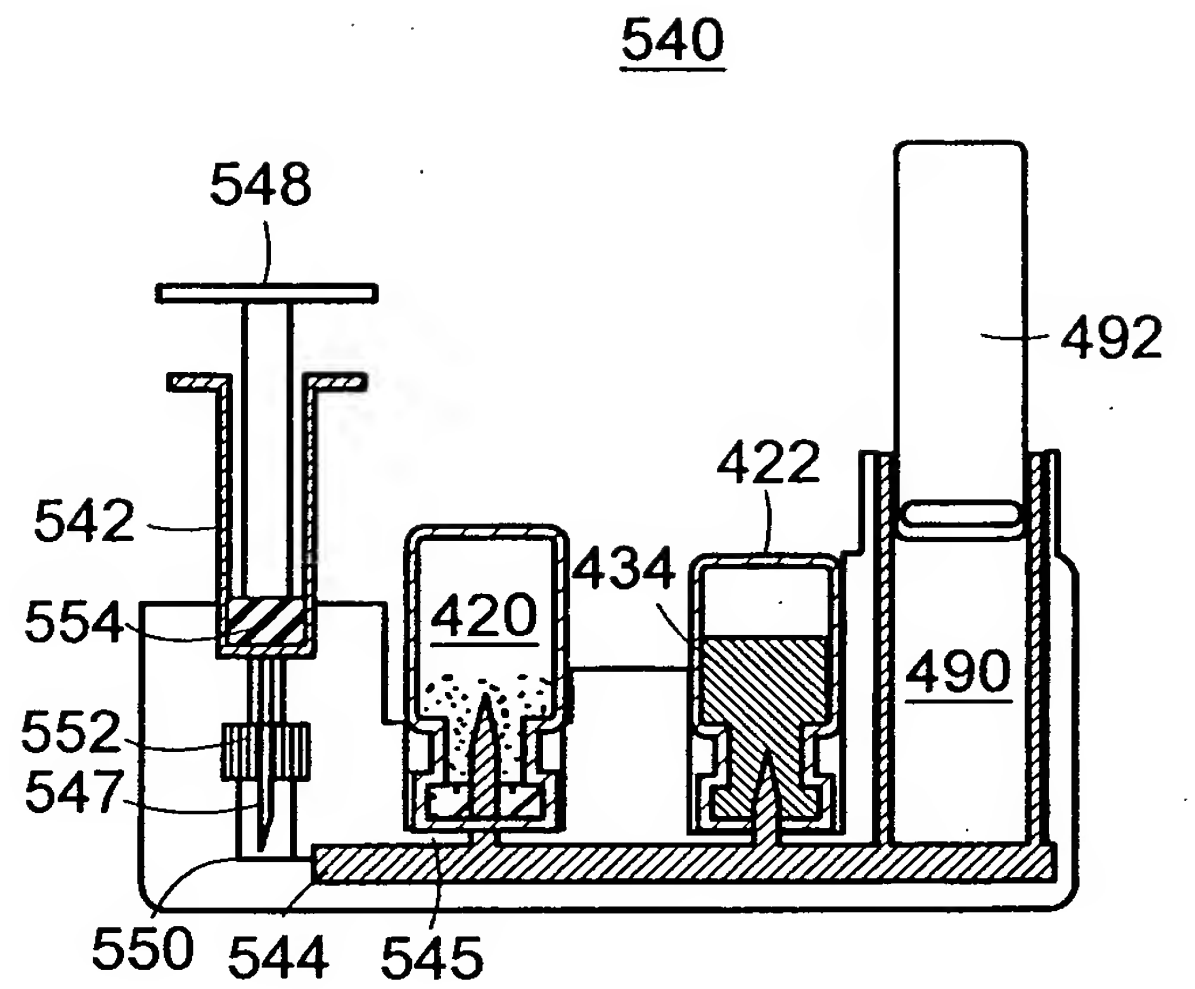


Figure 24A

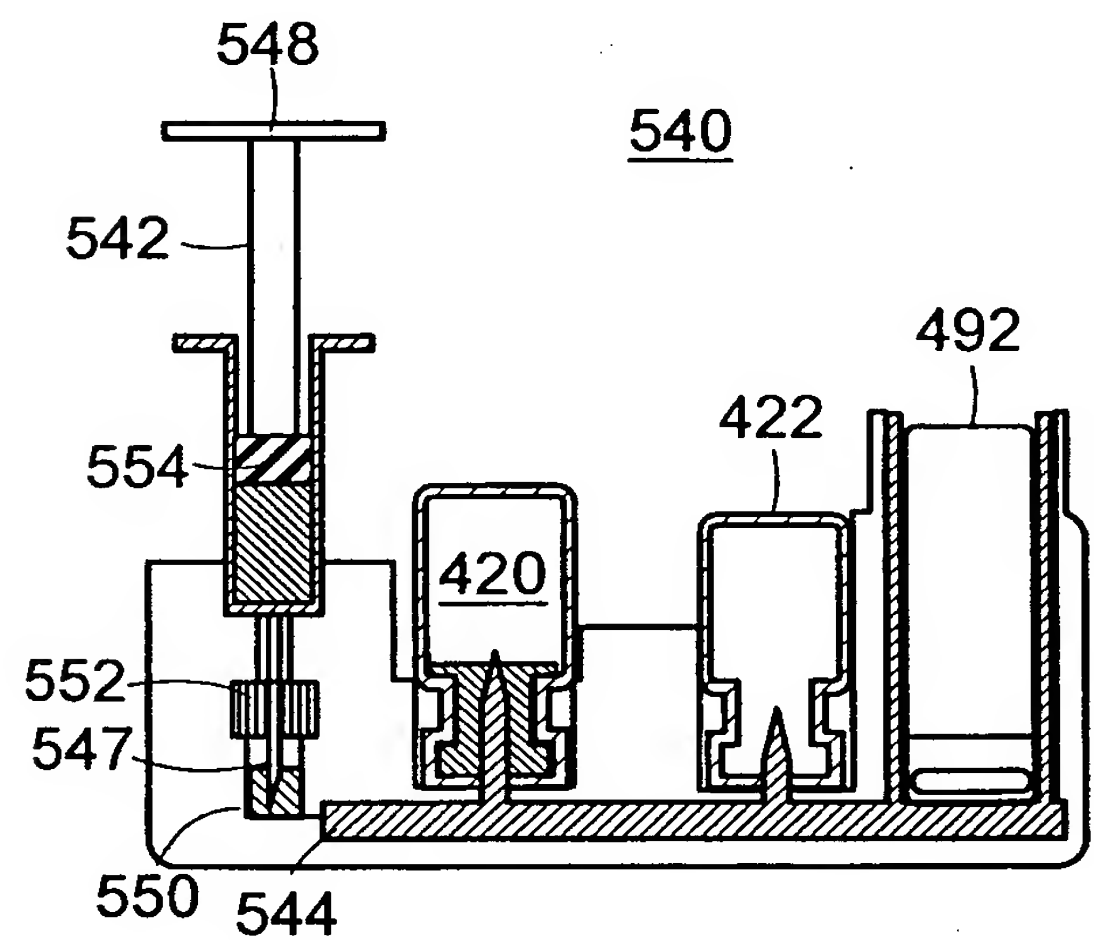


Figure 24B

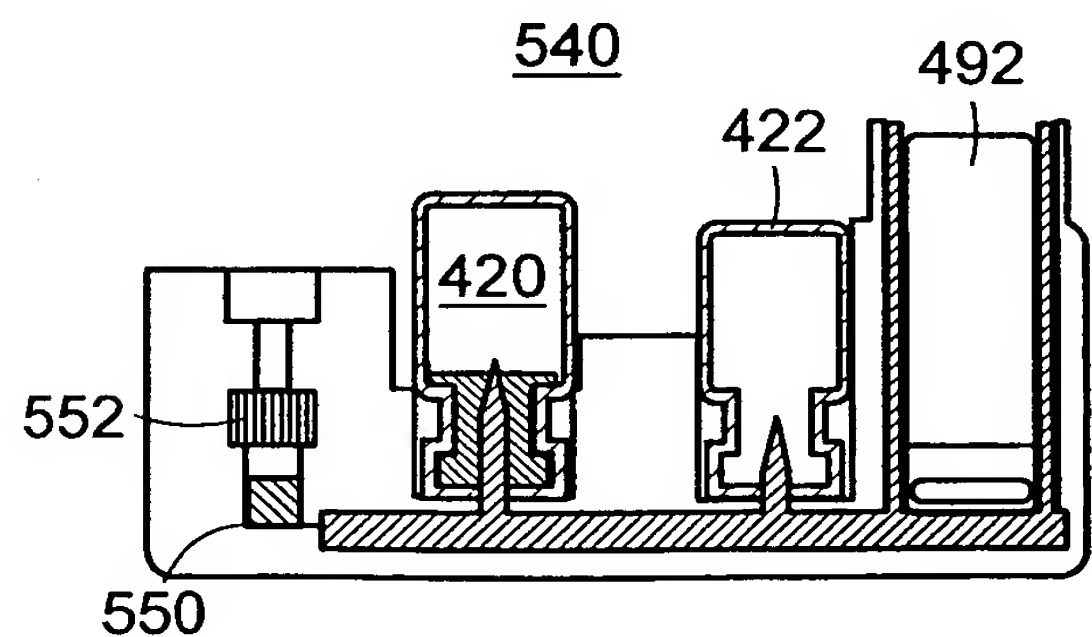


Figure 24C

56/77

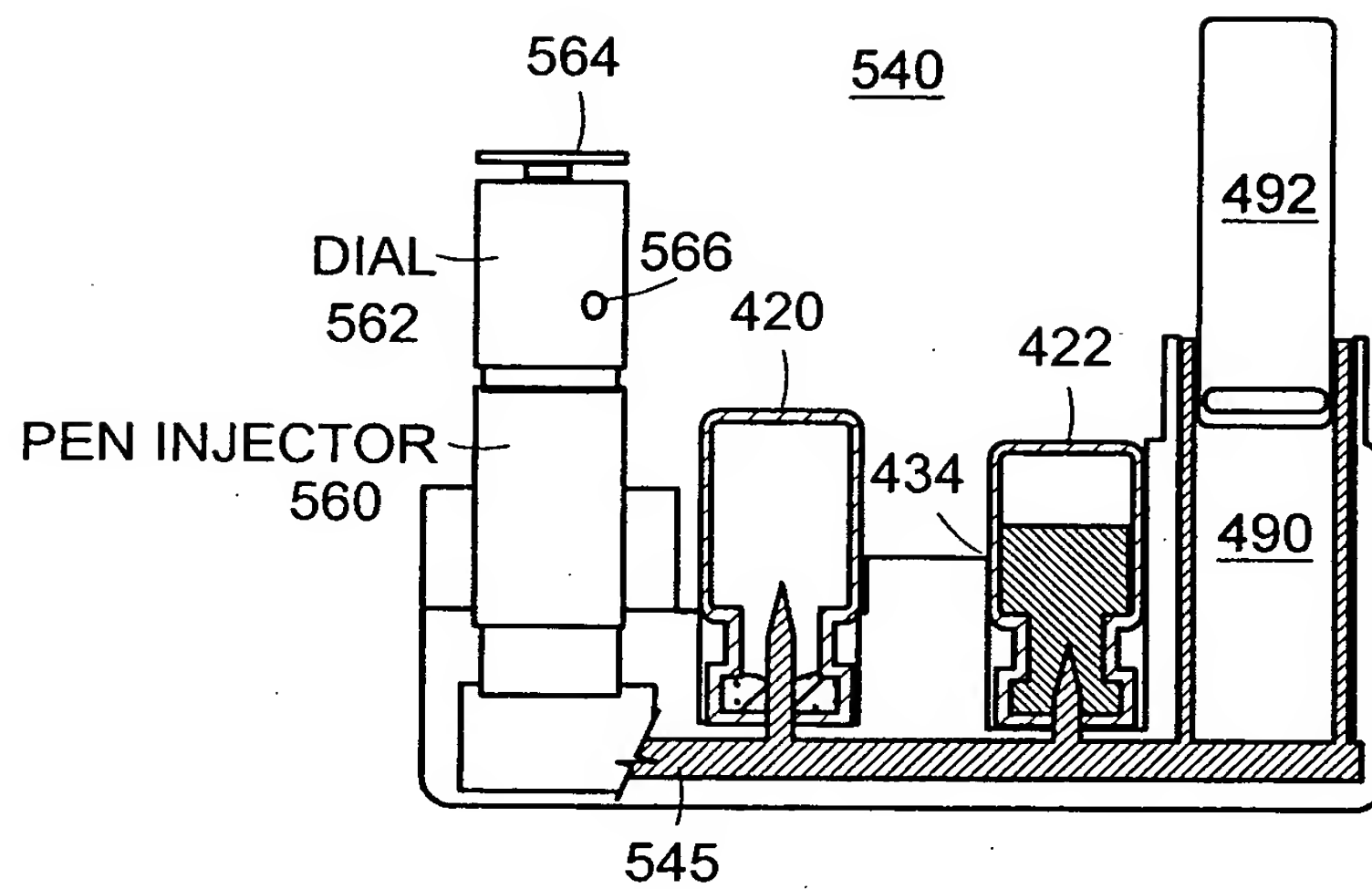


Figure 25



57/76

570

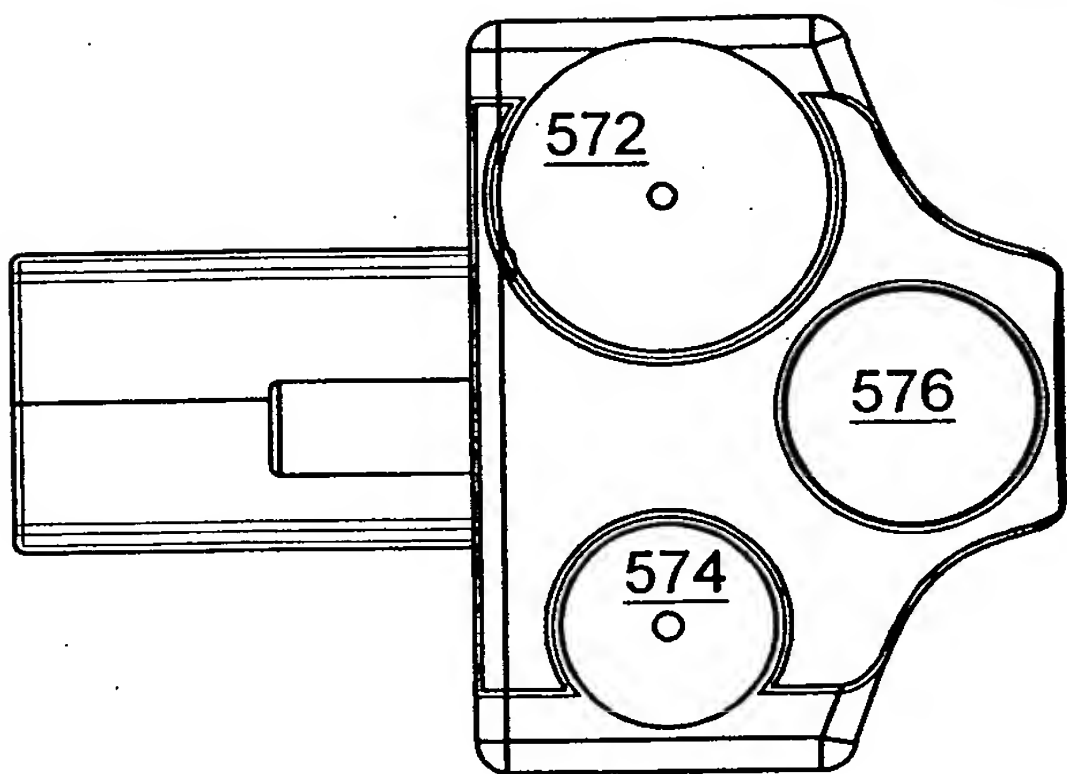


Figure 26A

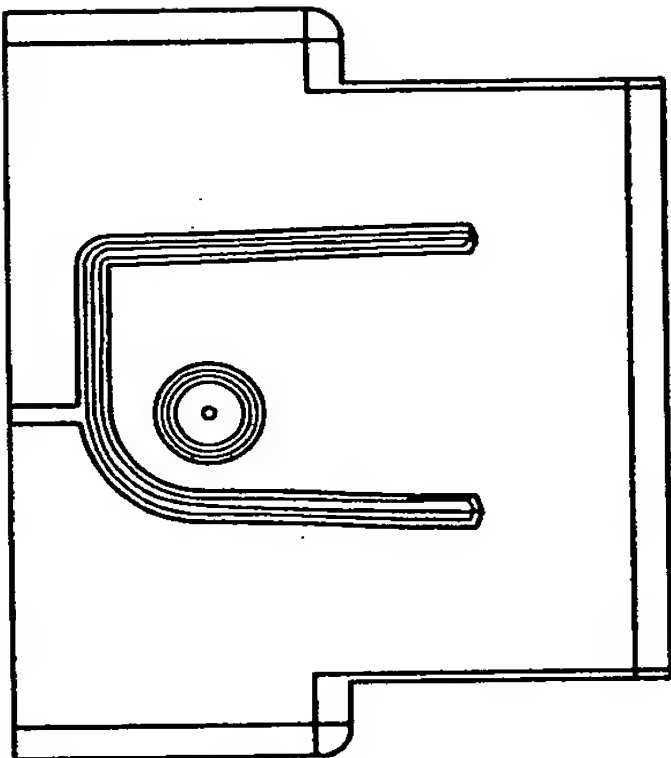


Figure 26B

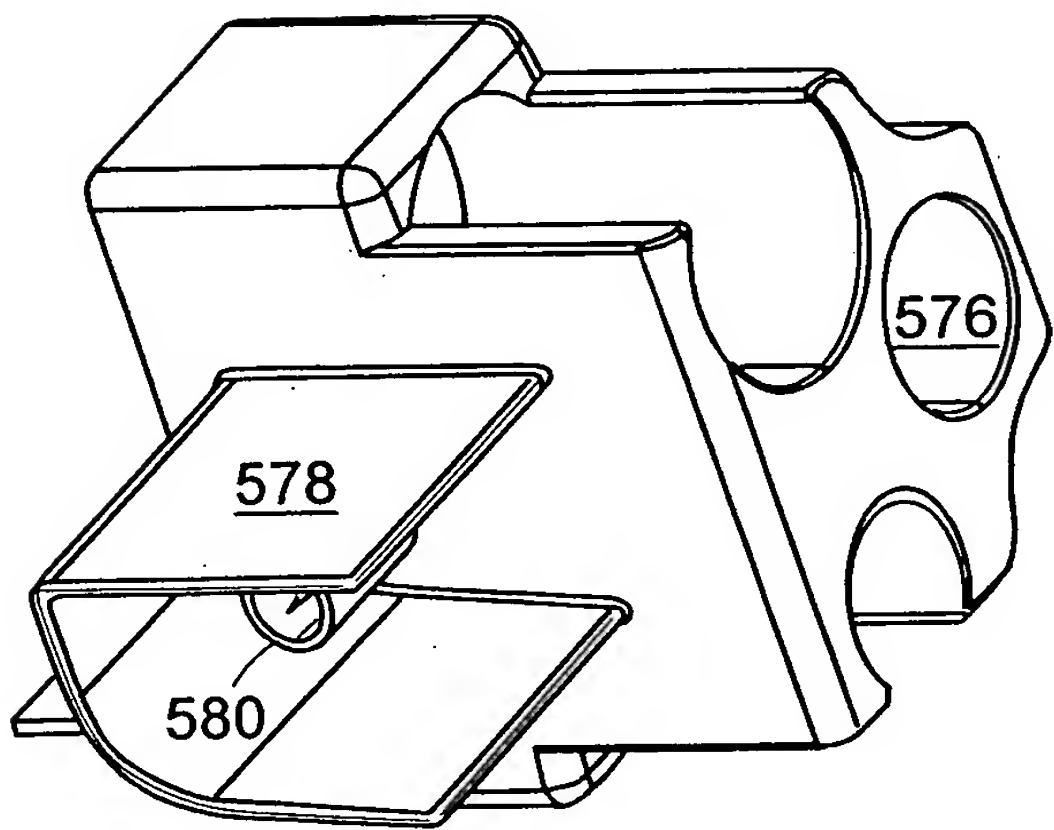


Figure 26C

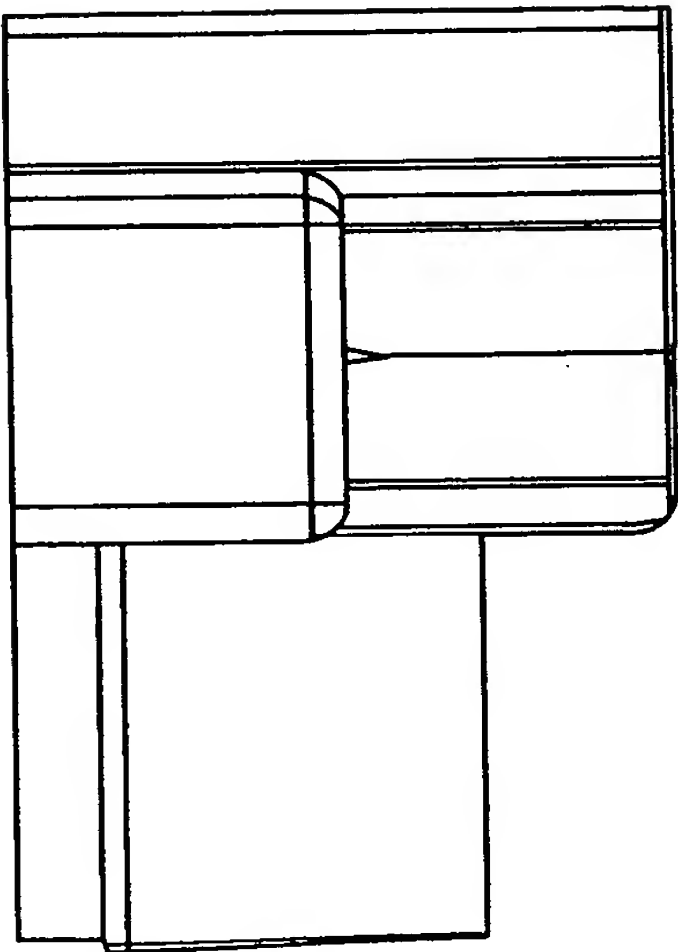


Figure 26D

58/76

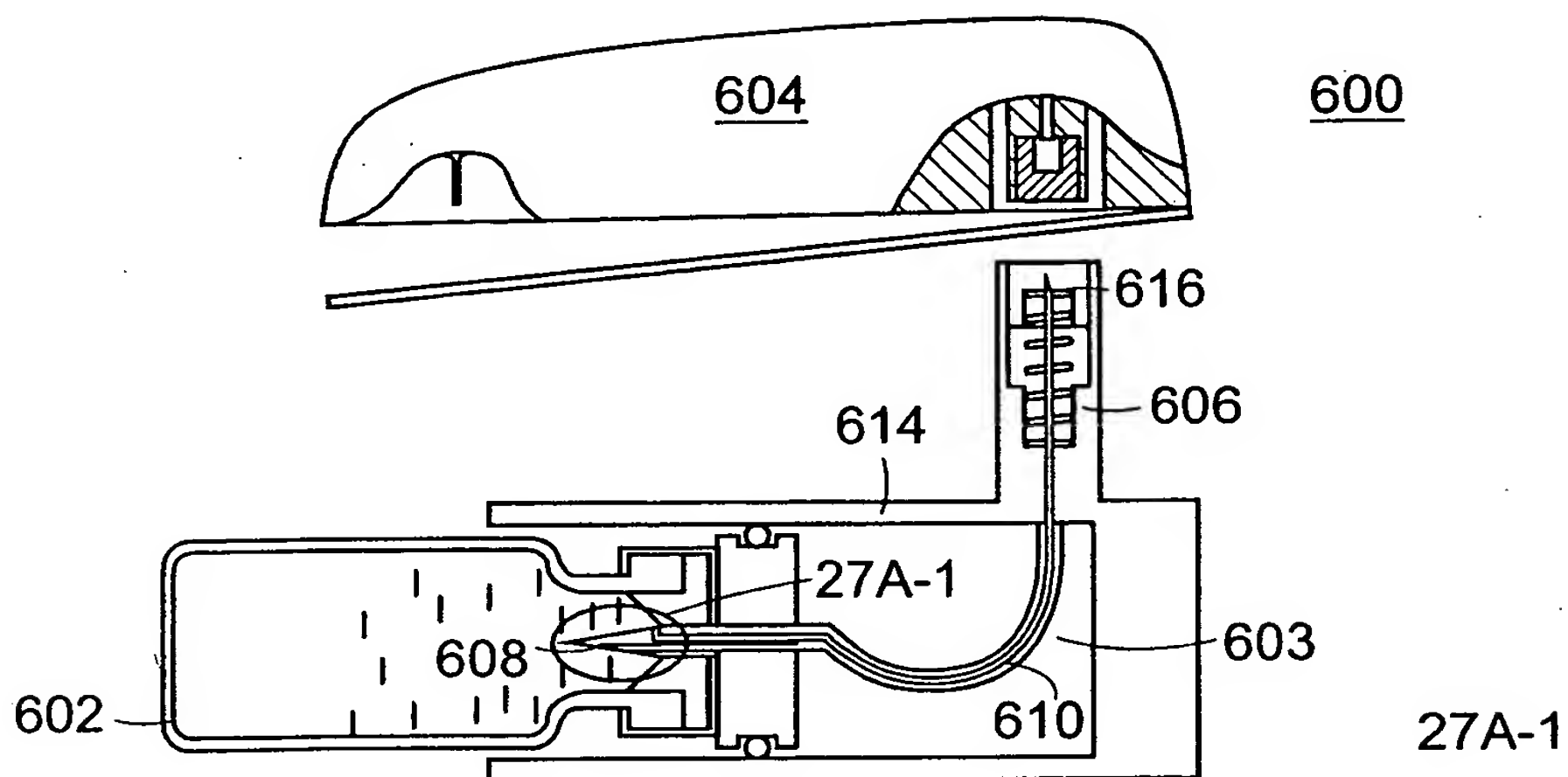


Figure 27A

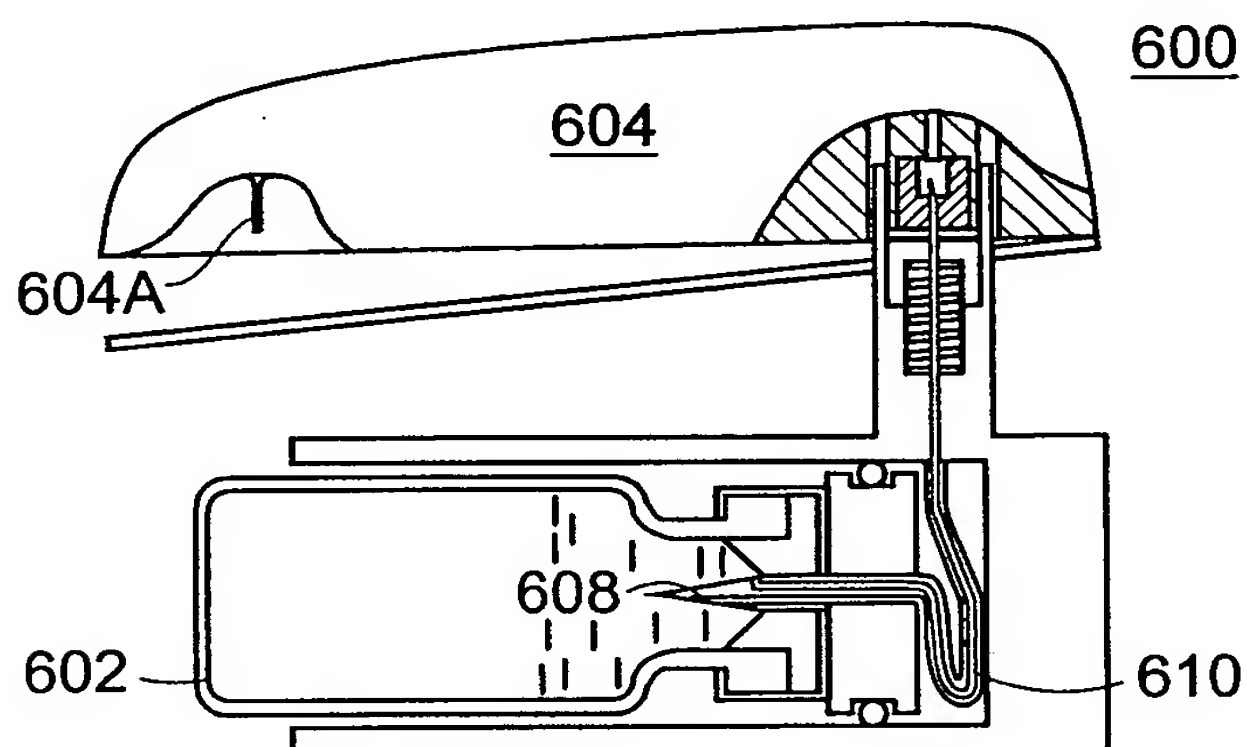


Figure 27B

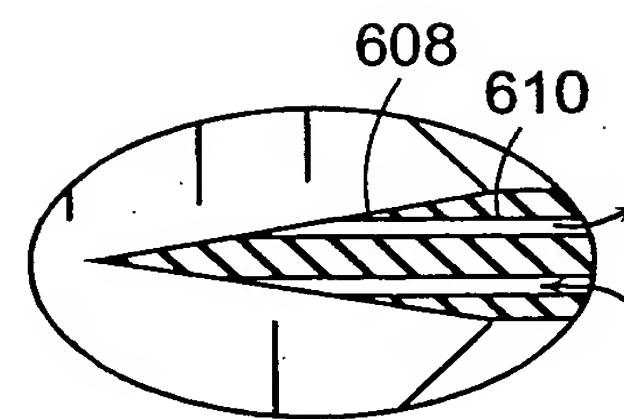


Figure 27A-1

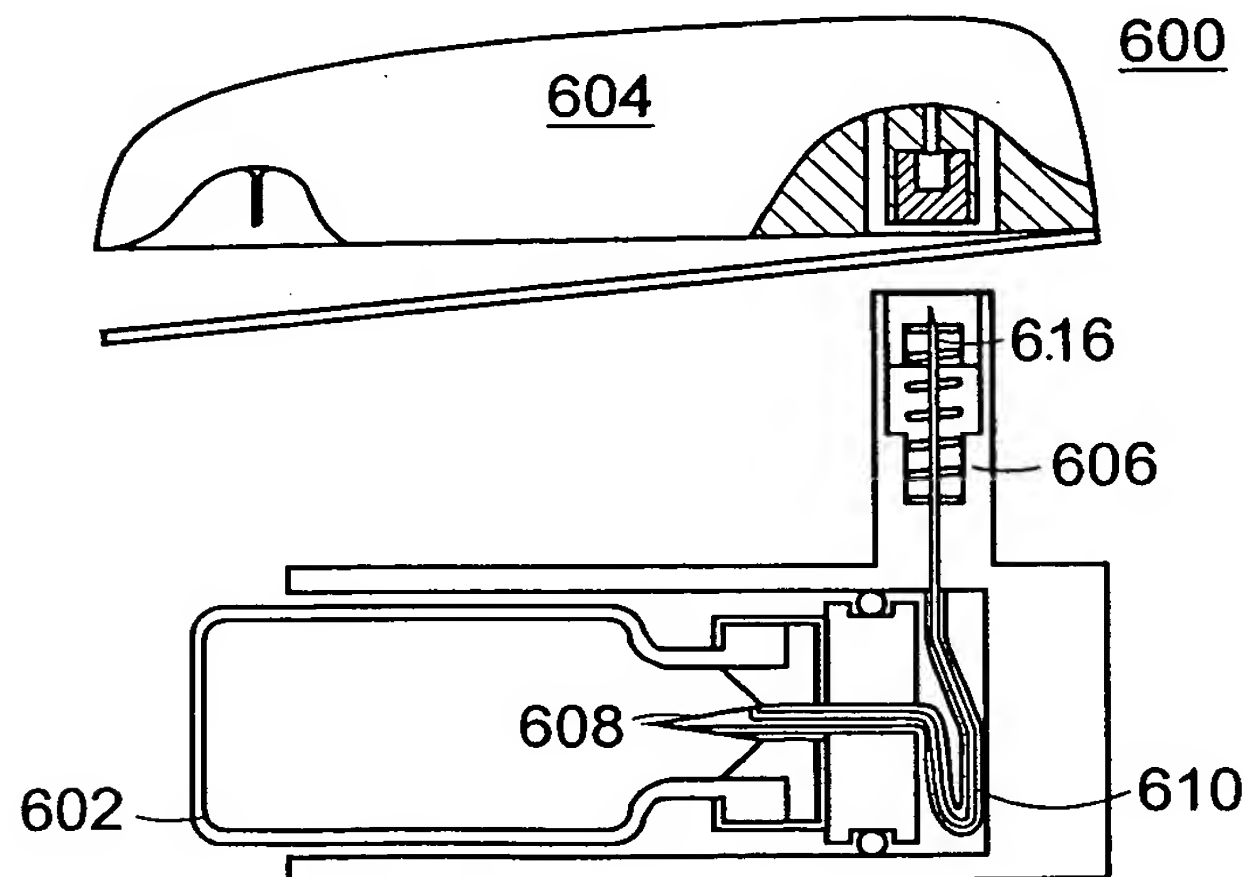


Figure 27C

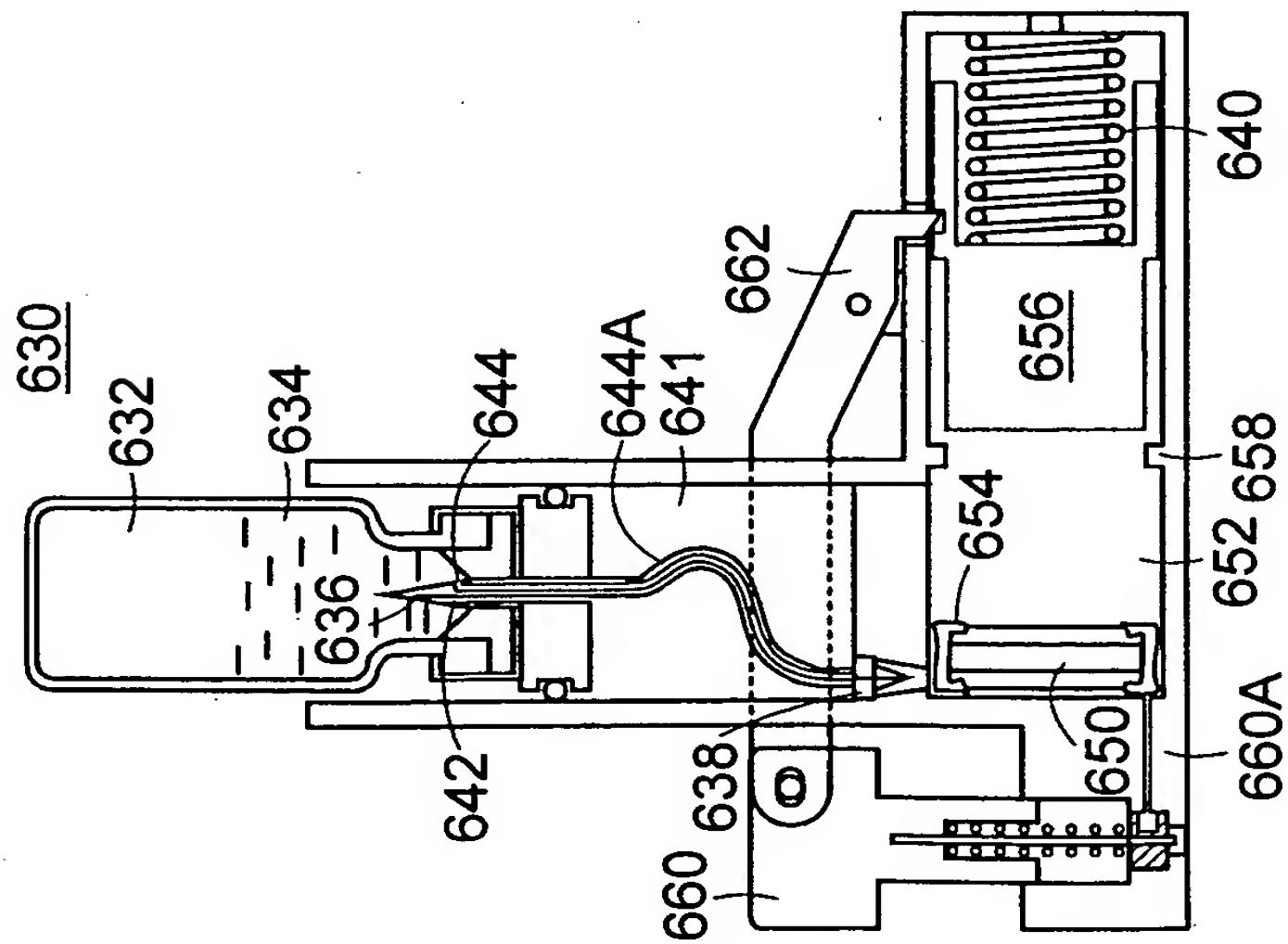


Figure 28A

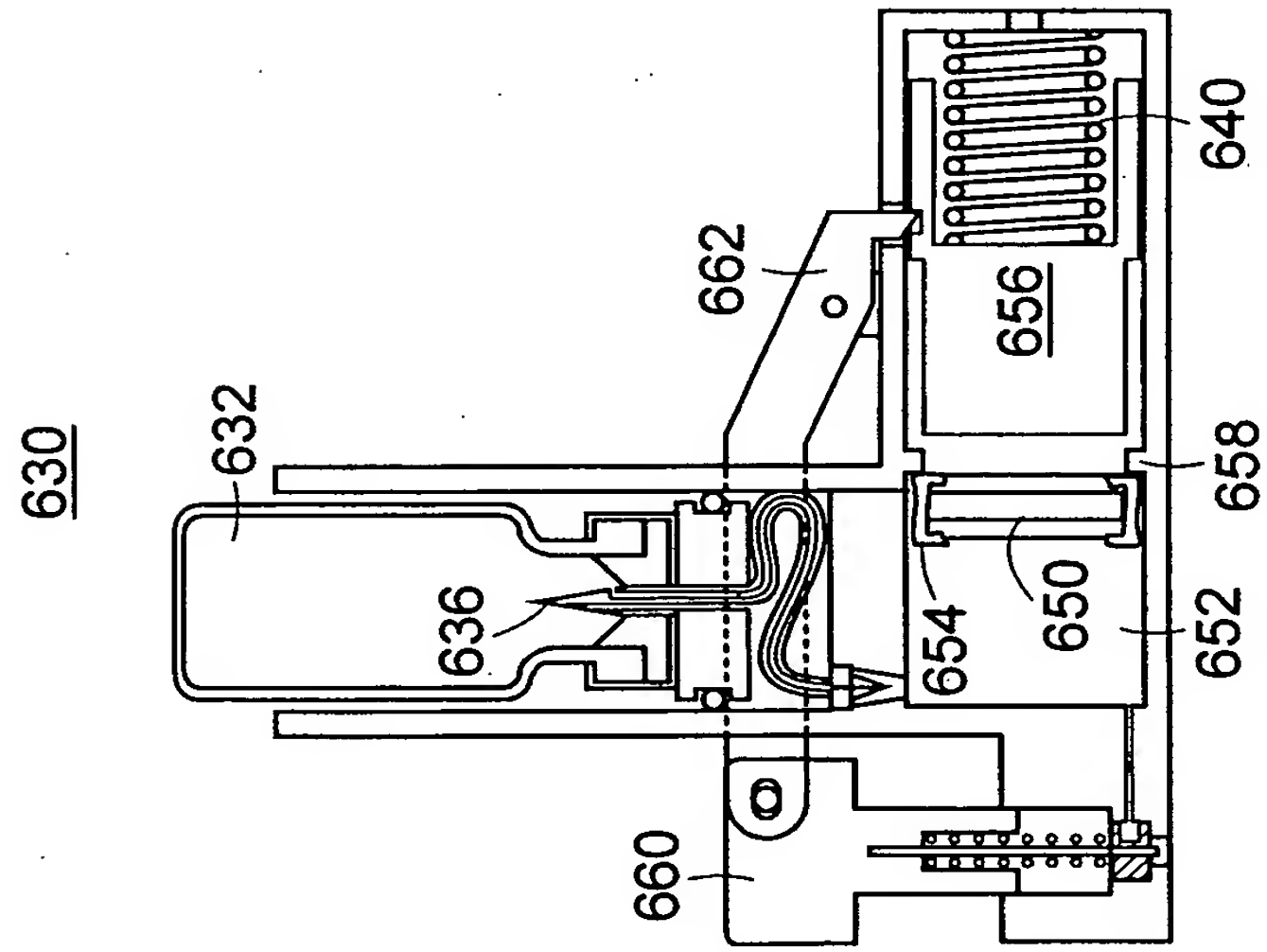


Figure 28B

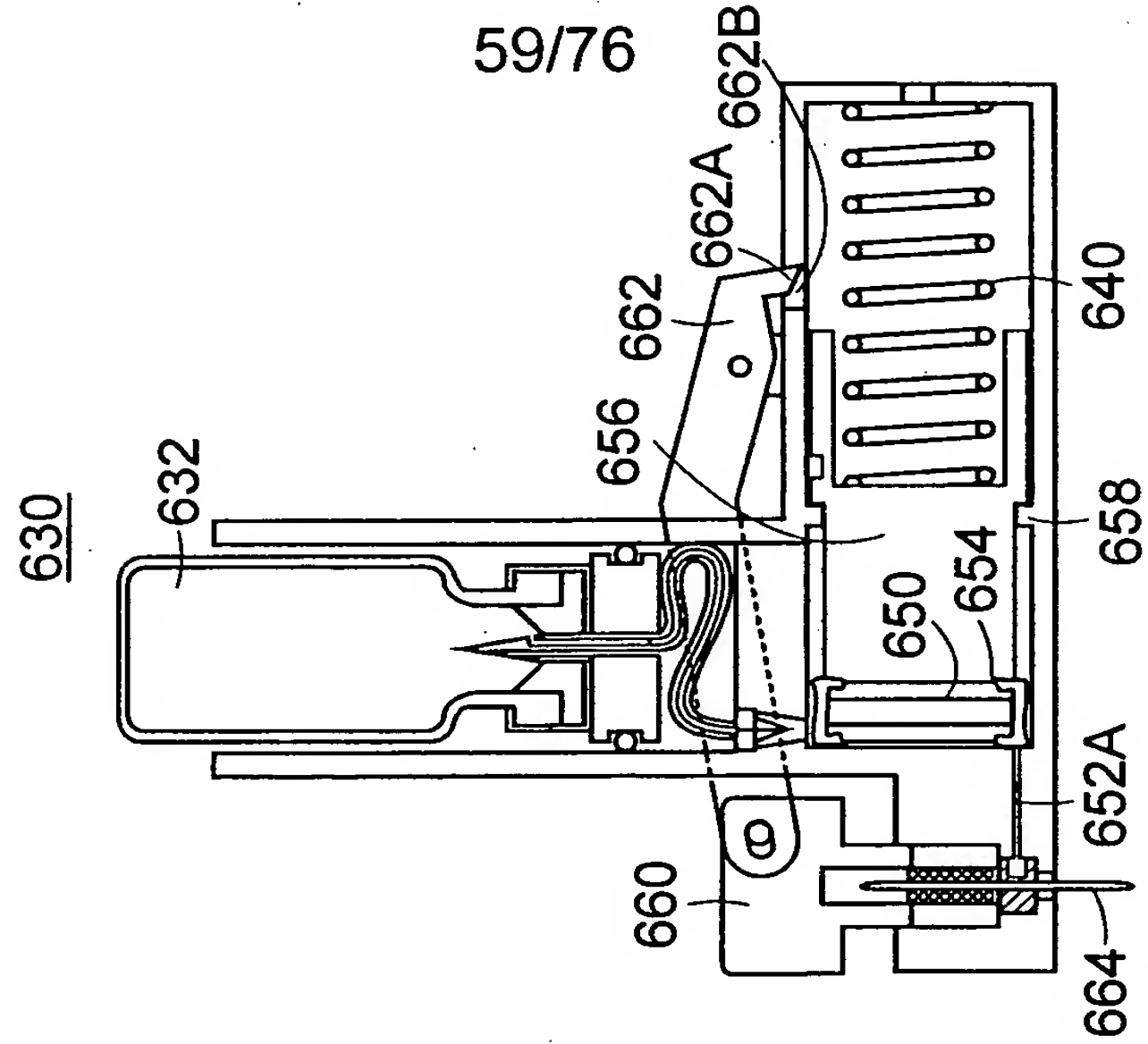


Figure 28C

60/76

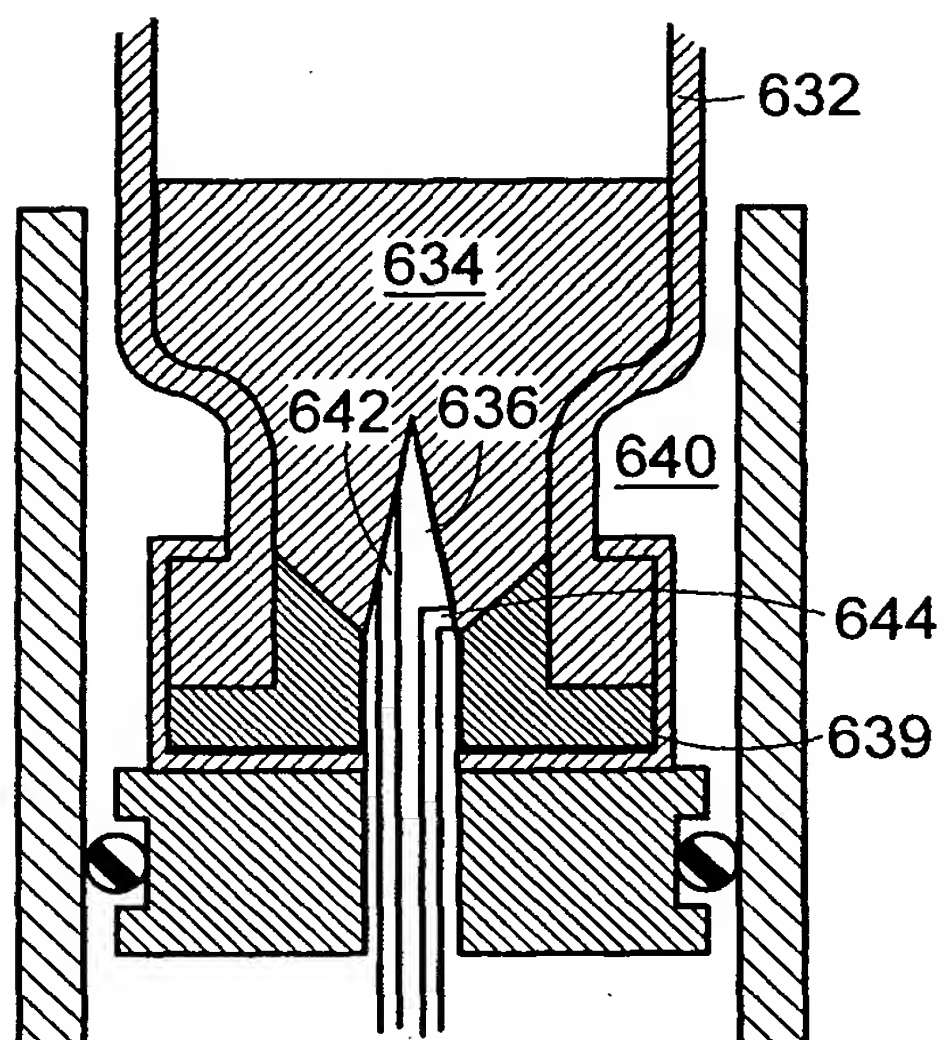


Figure 28D

61/76

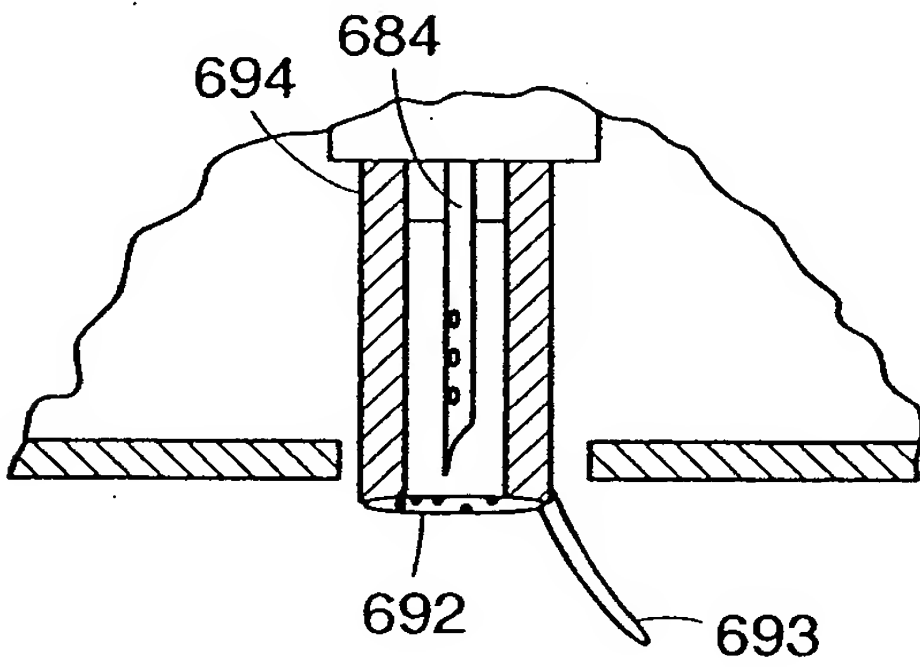


Figure 29A-1

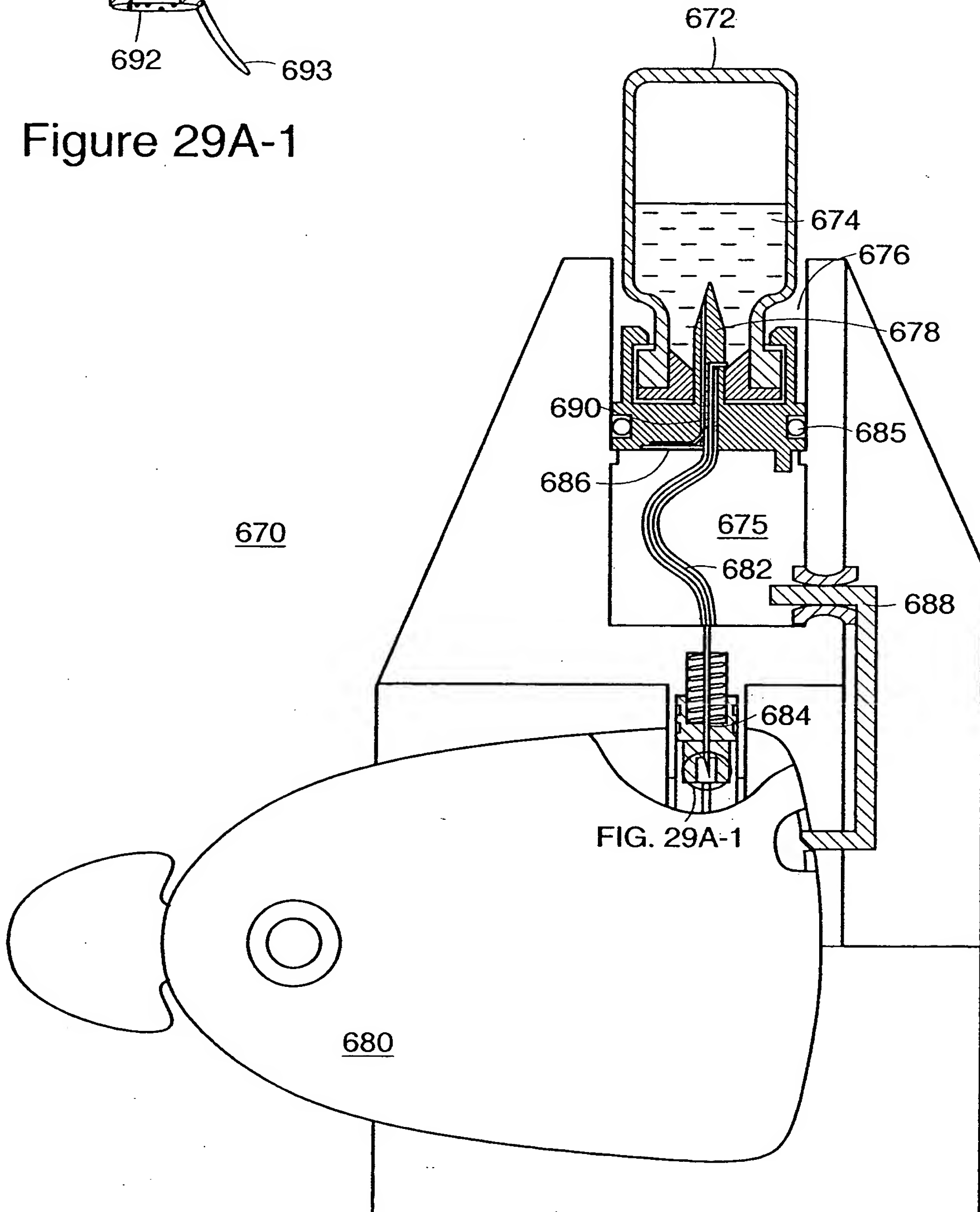


Figure 29A

62/76

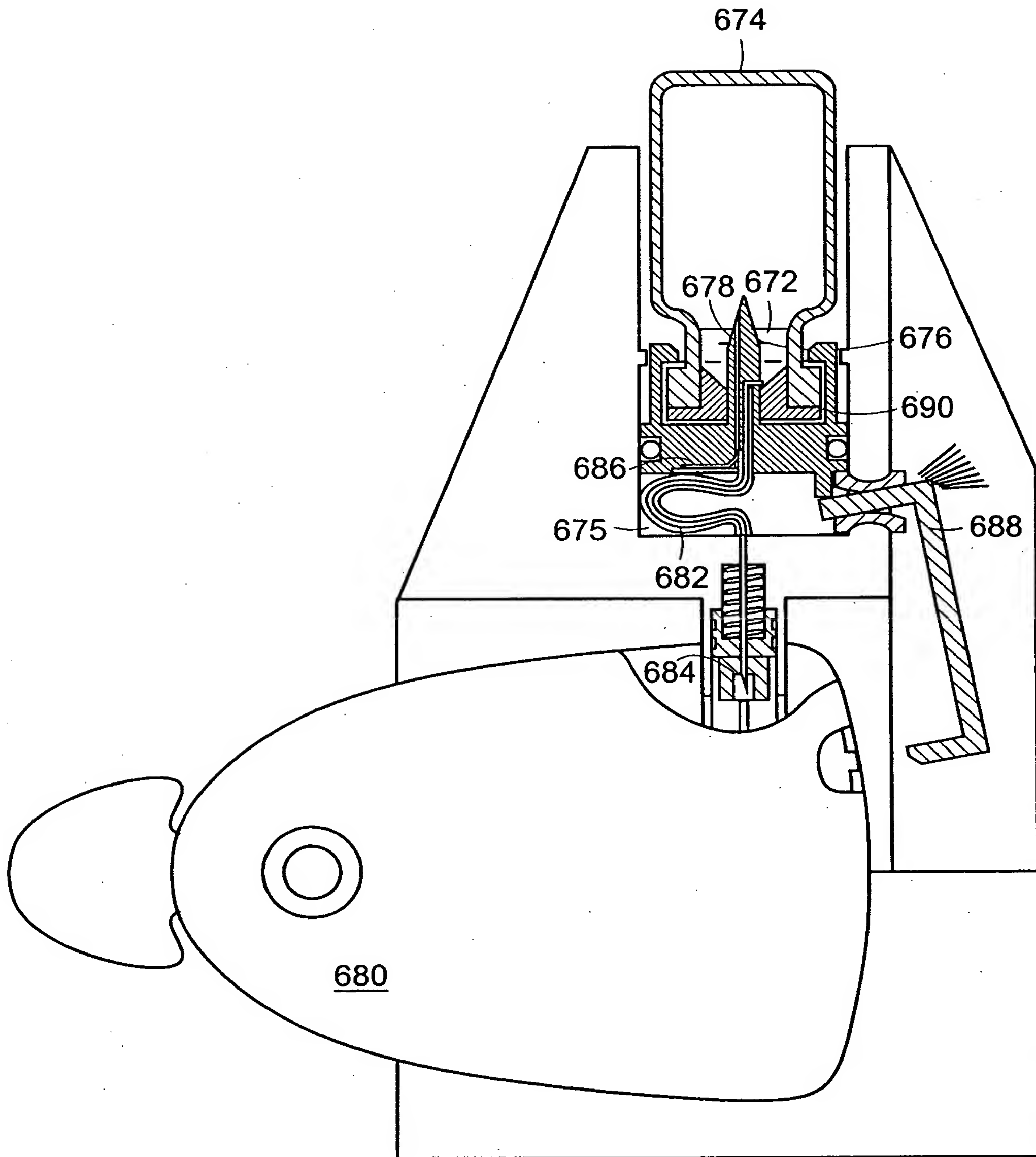


Figure 29B

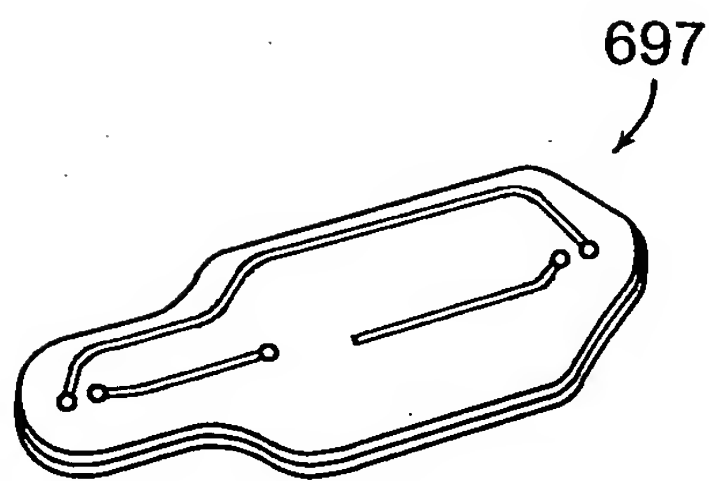


Figure 30B

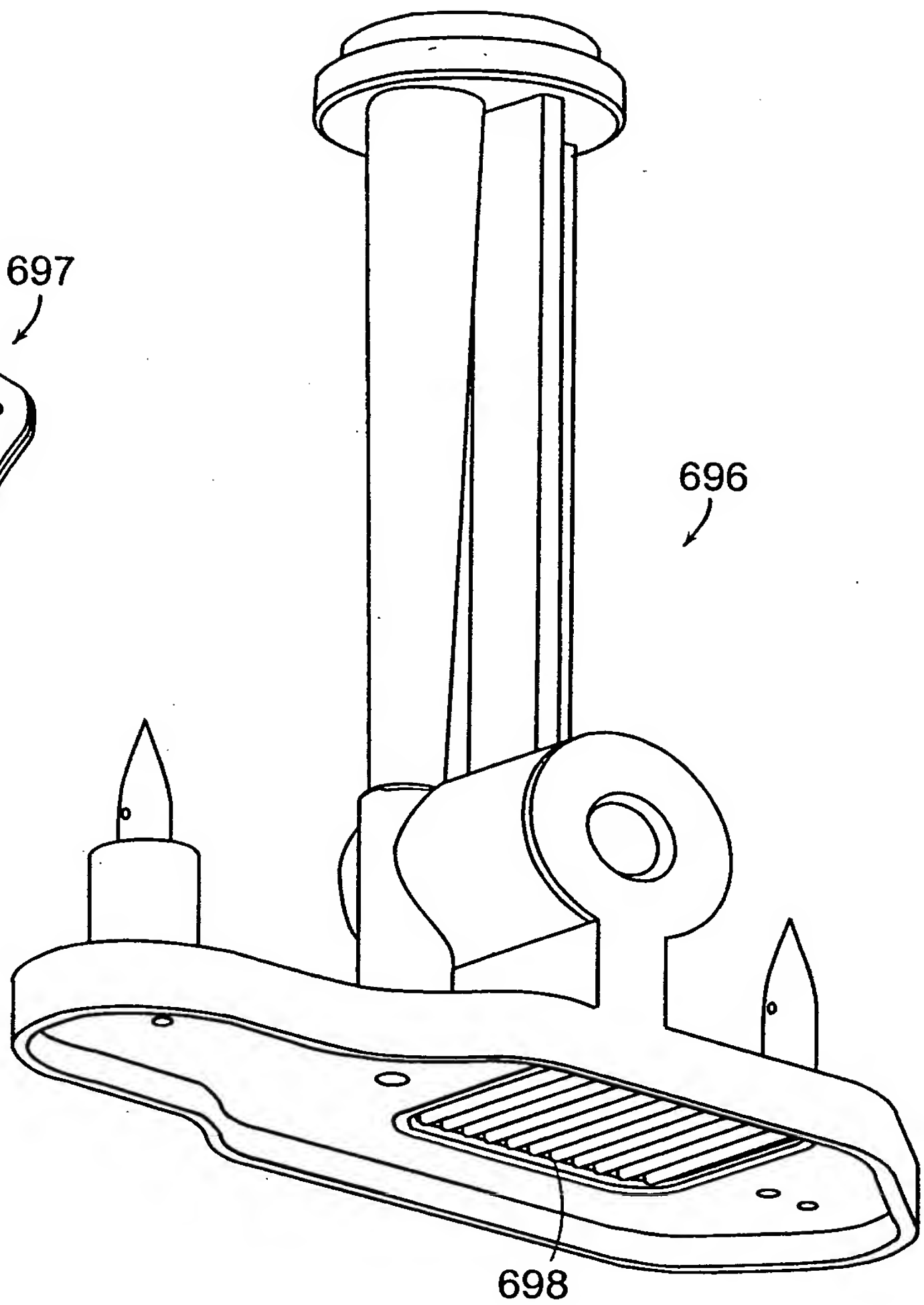
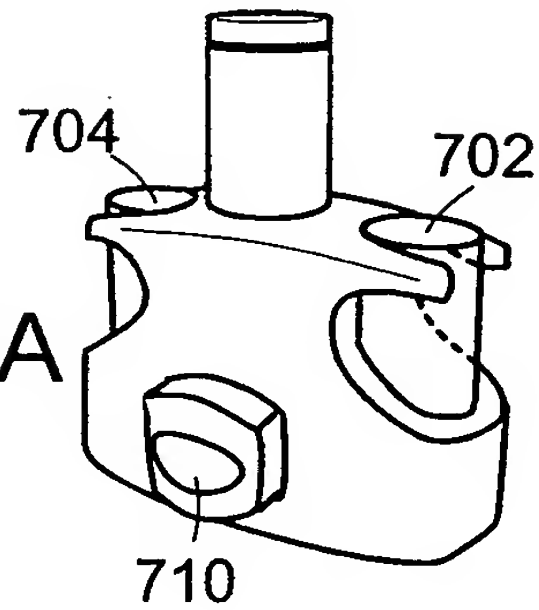


Figure 30A

64/76

Figure 31A



700

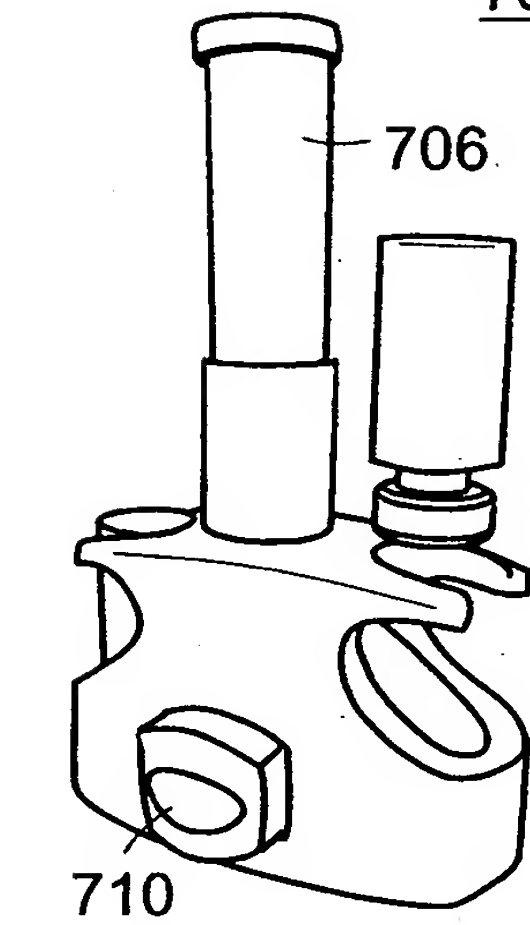


Figure 31B

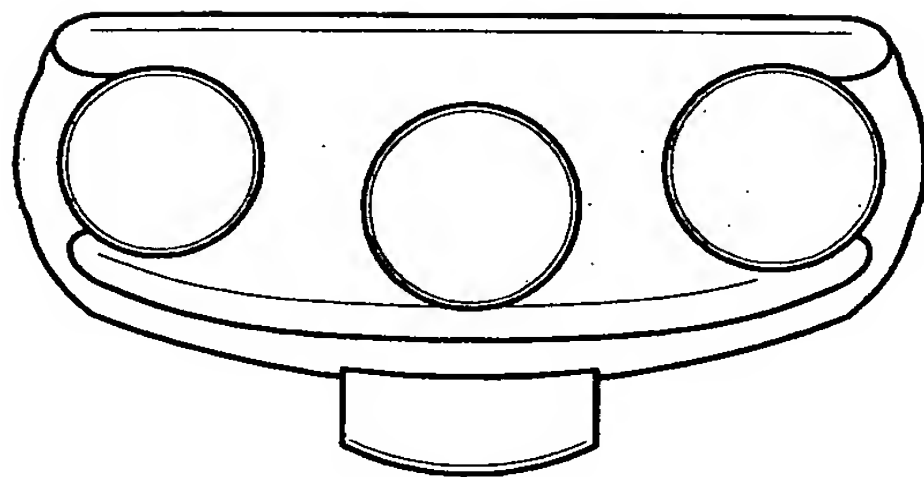


Figure 31C

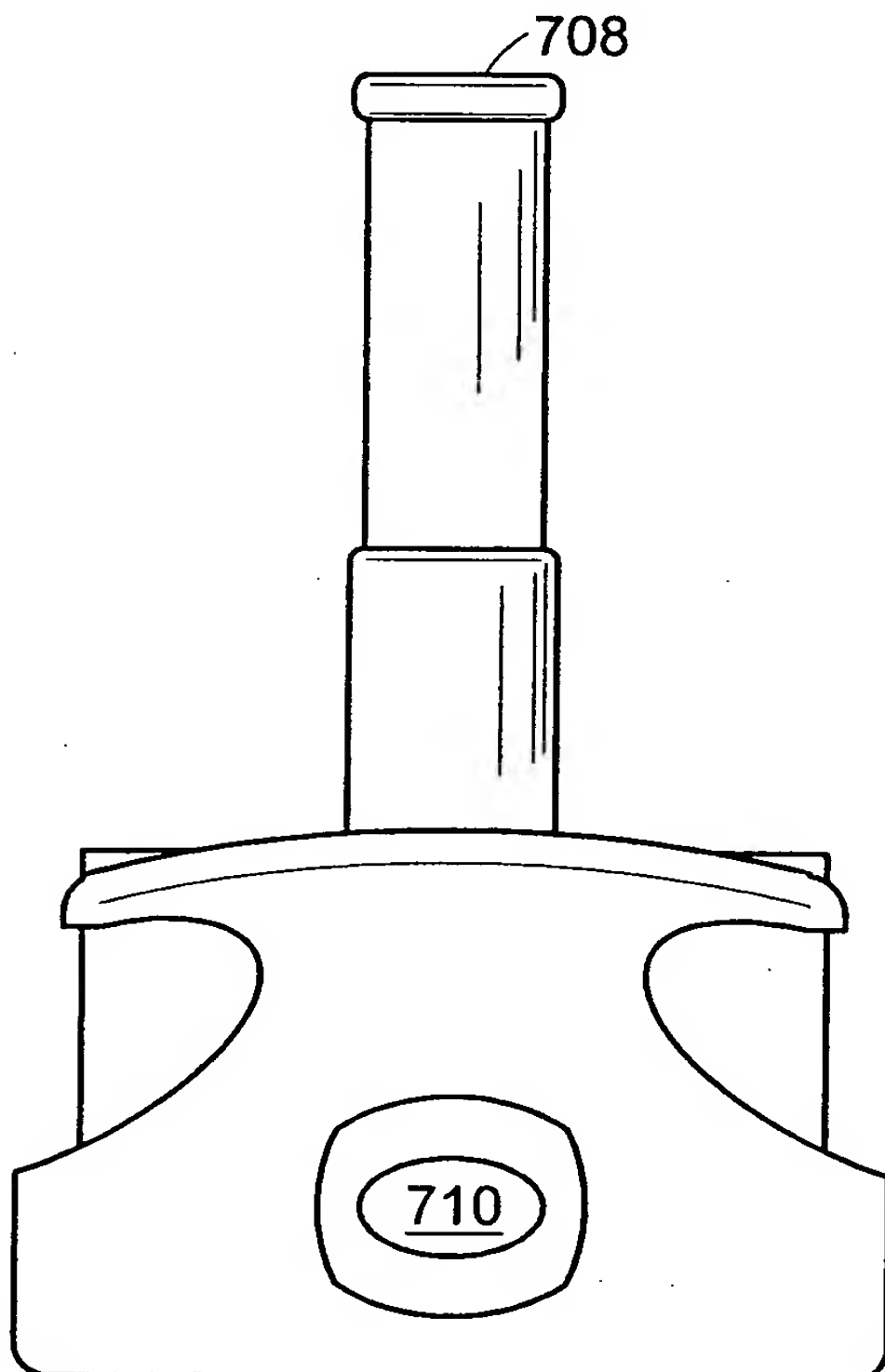


Figure 31D

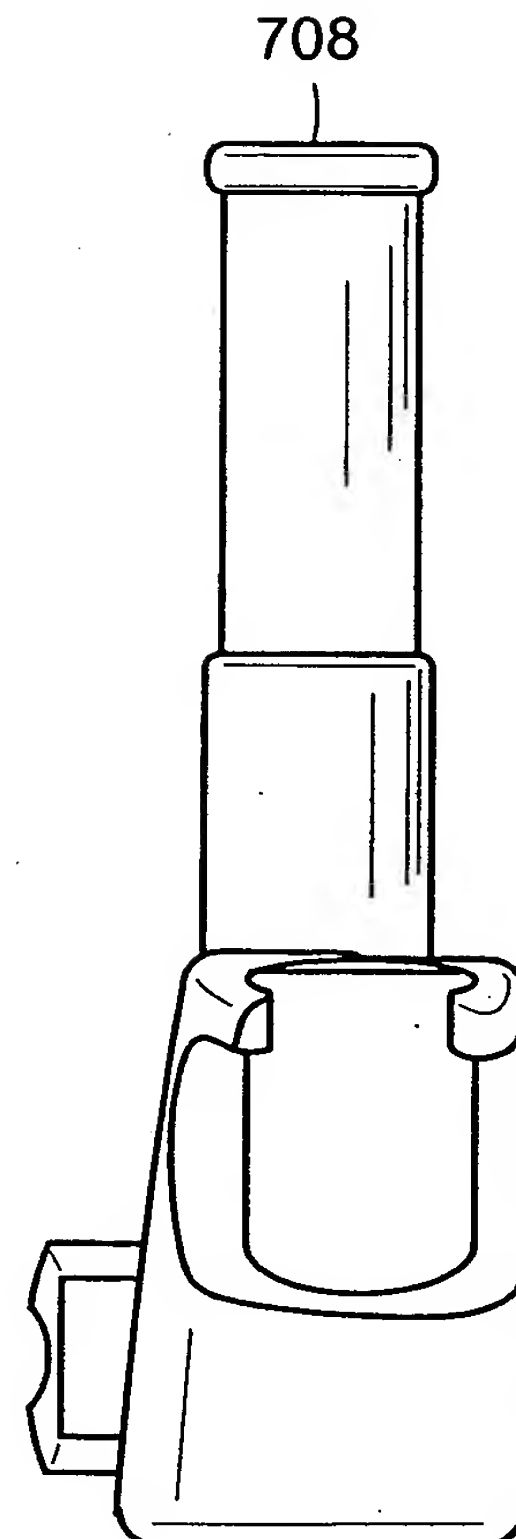


Figure 31E



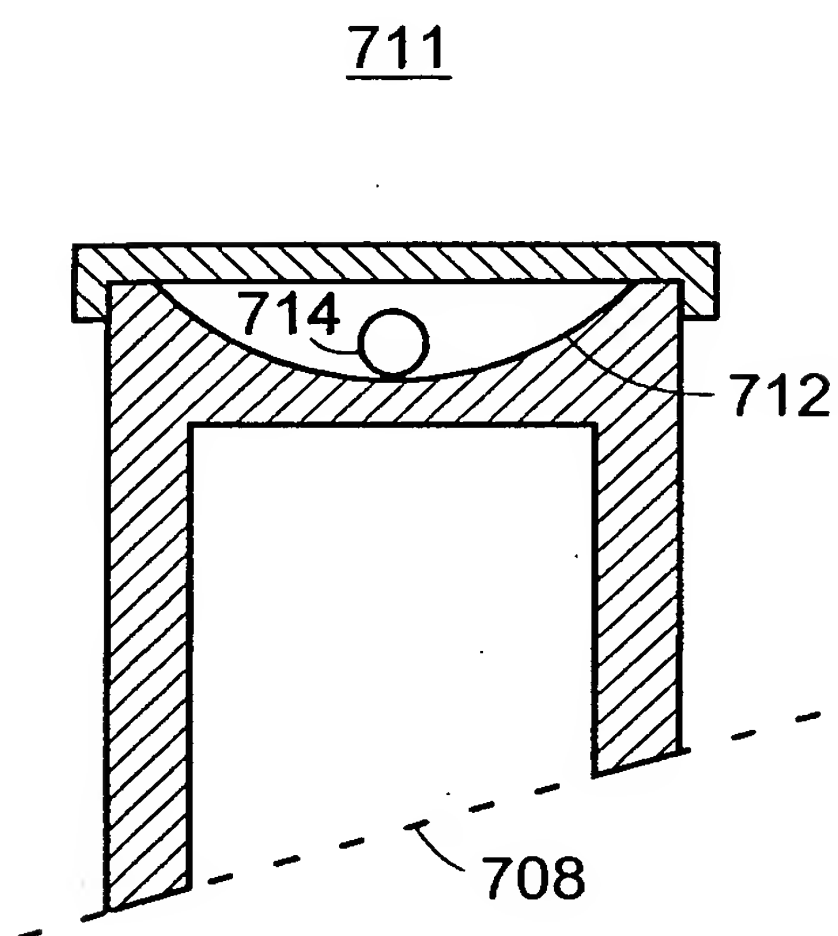


Figure 31F

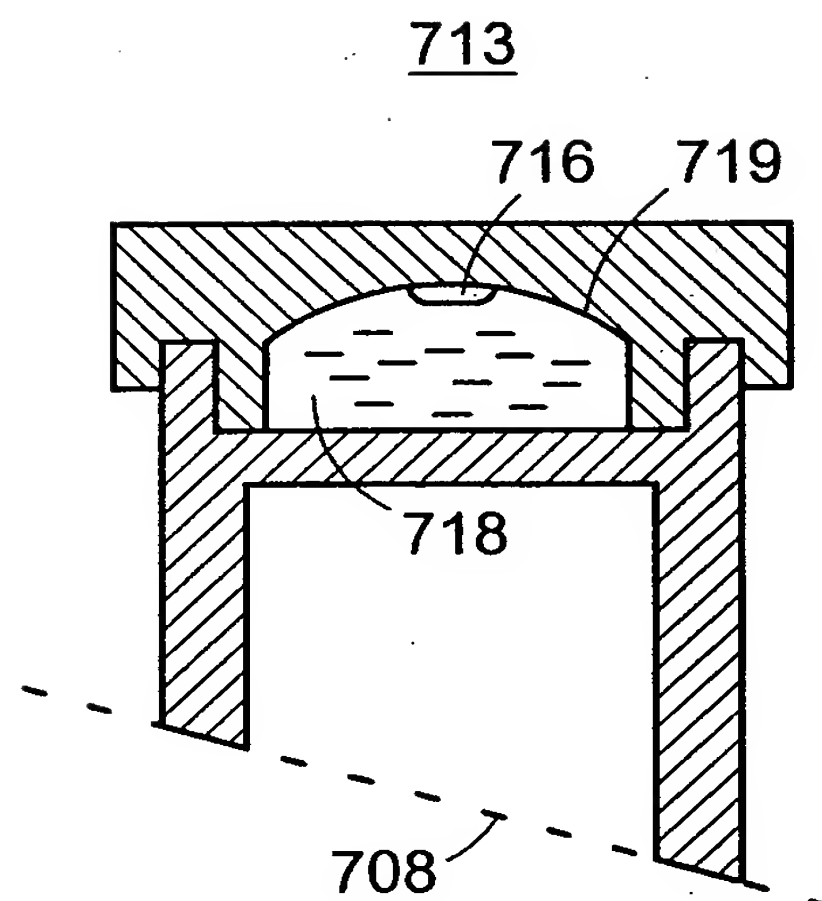


Figure 31G

66/76

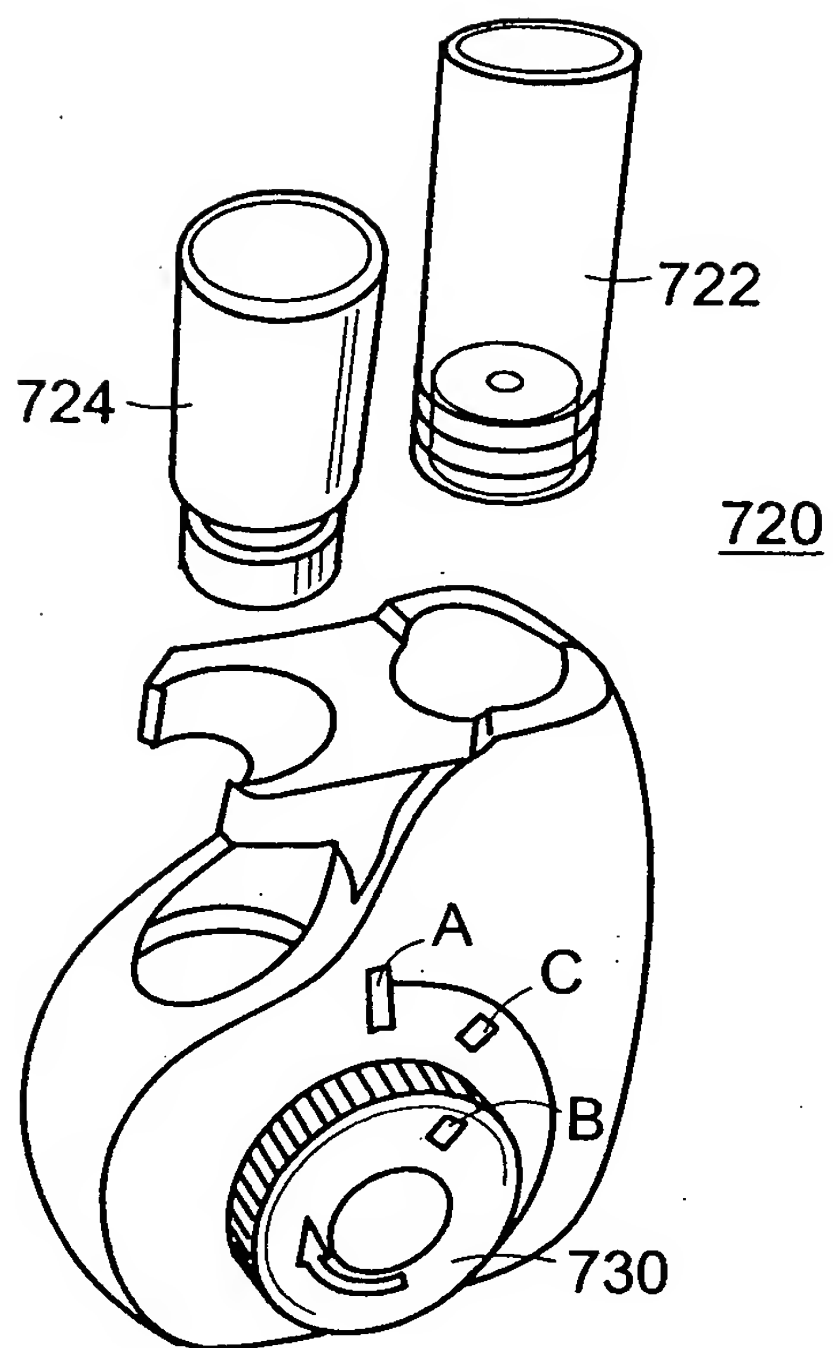


Figure 32A

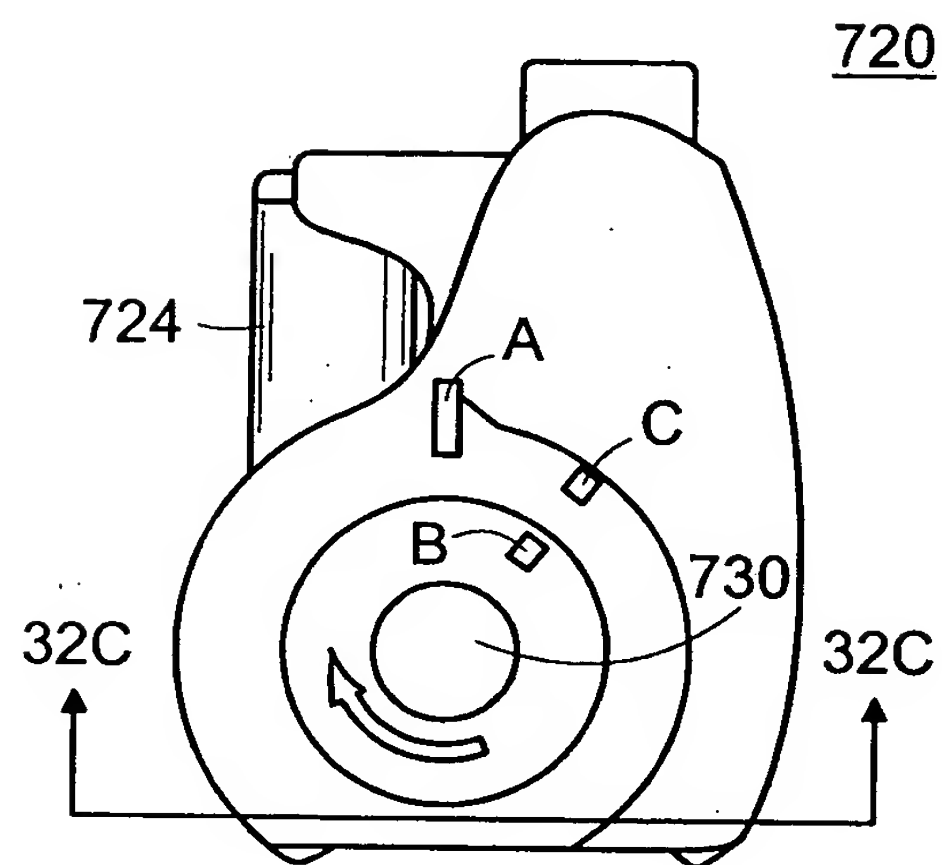


Figure 32B

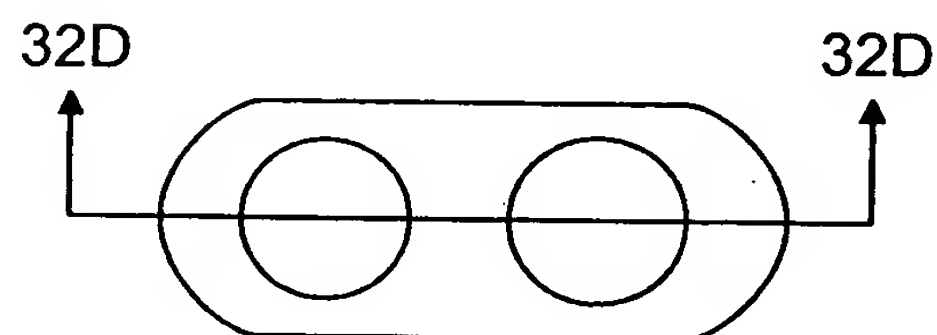


Figure 32C

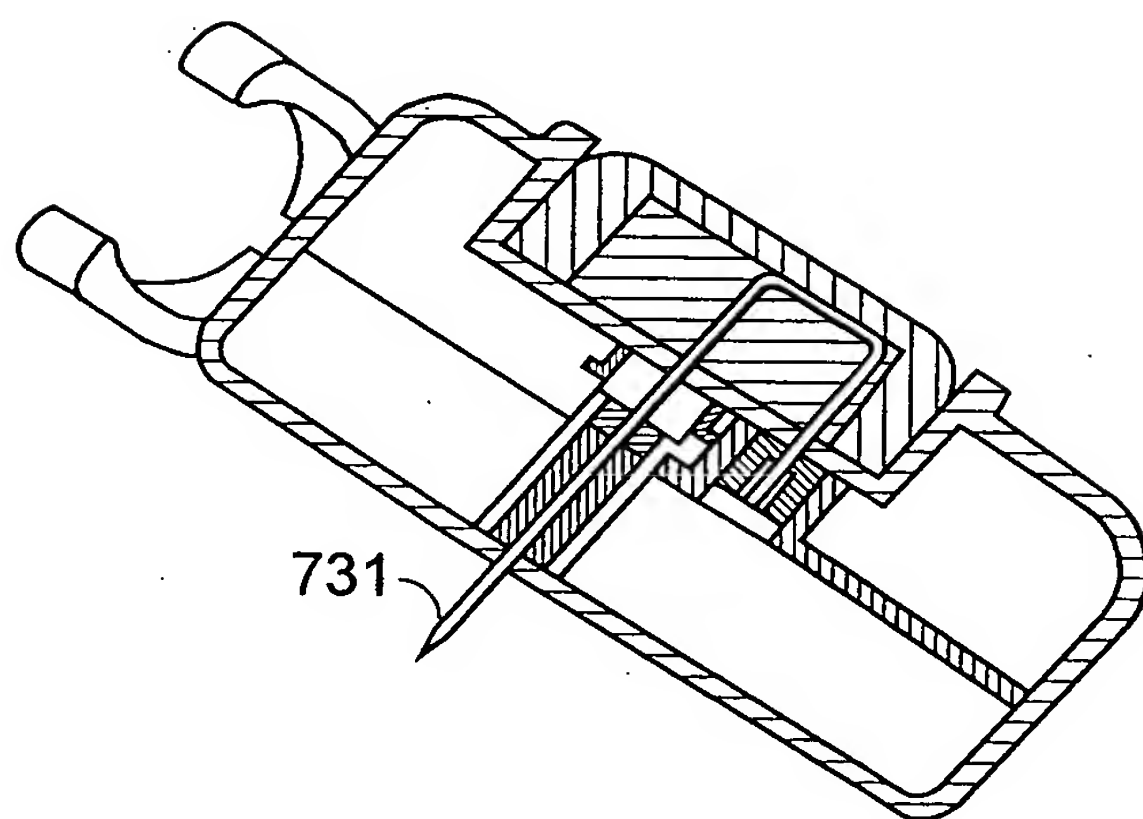


Figure 32D

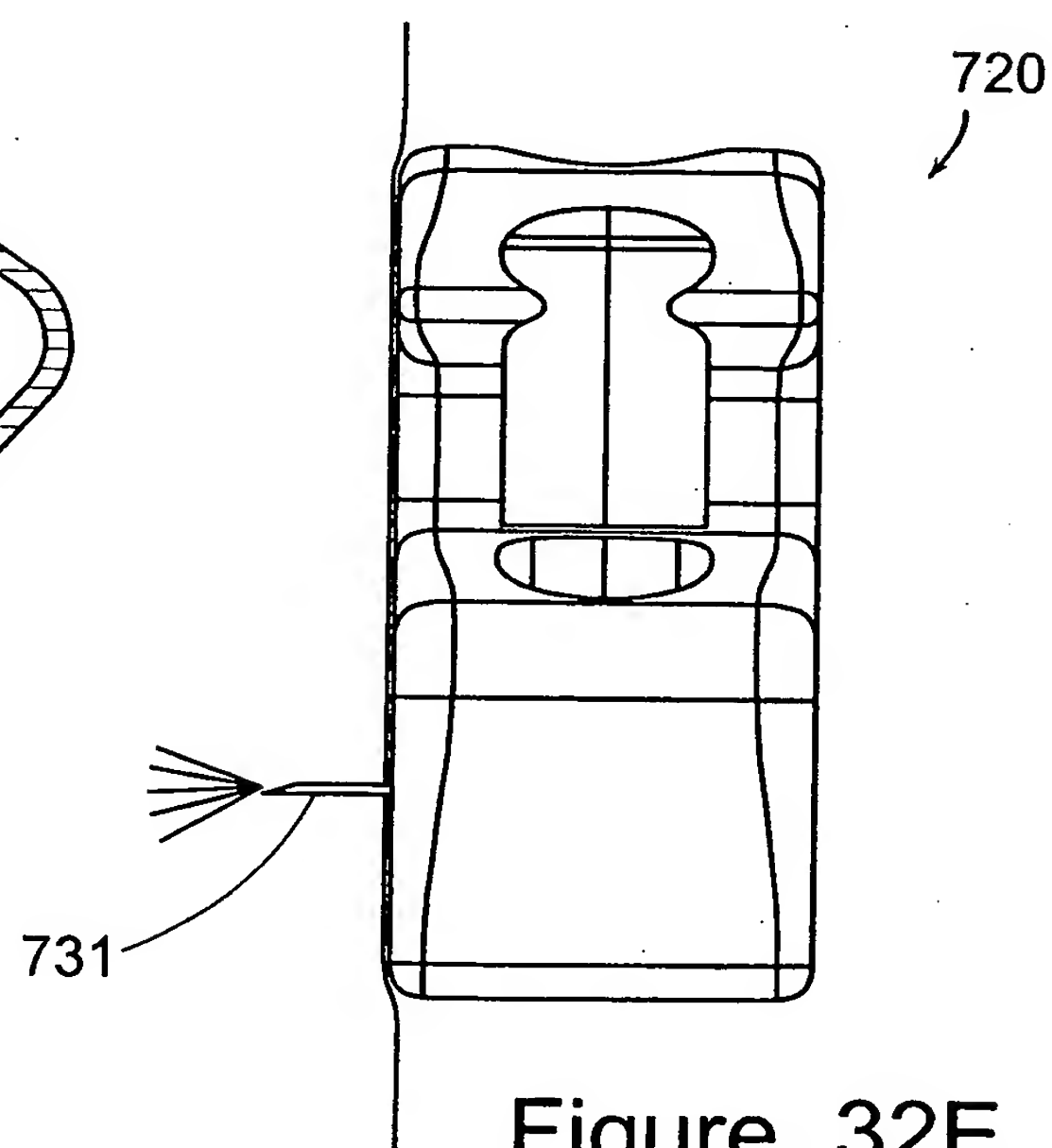


Figure 32E

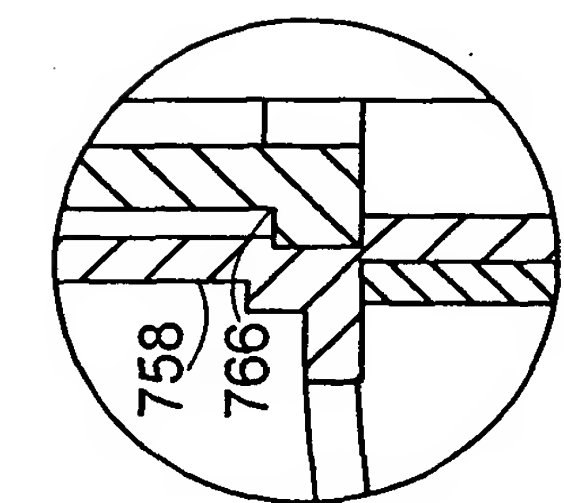


Figure 33A-1

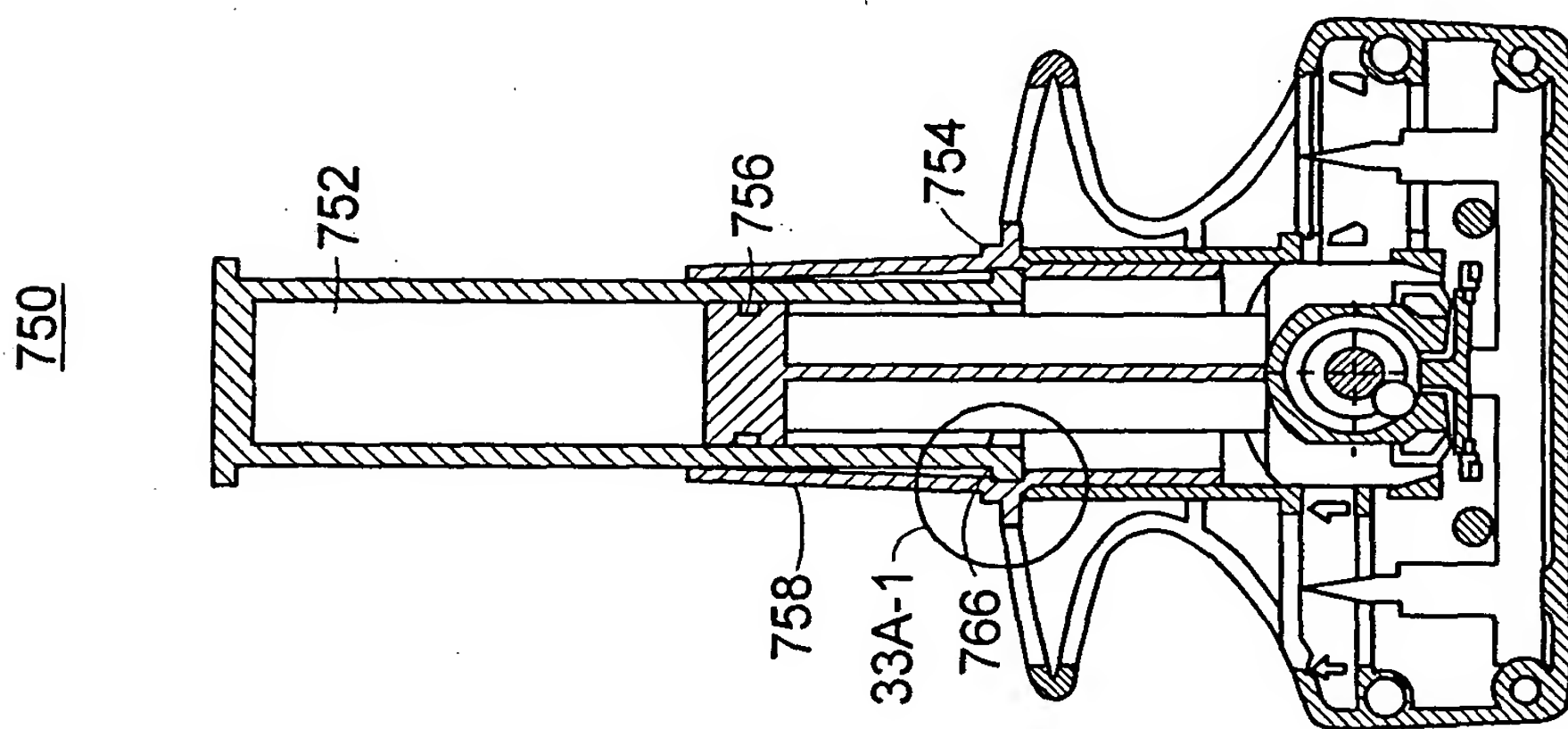


Figure 33A

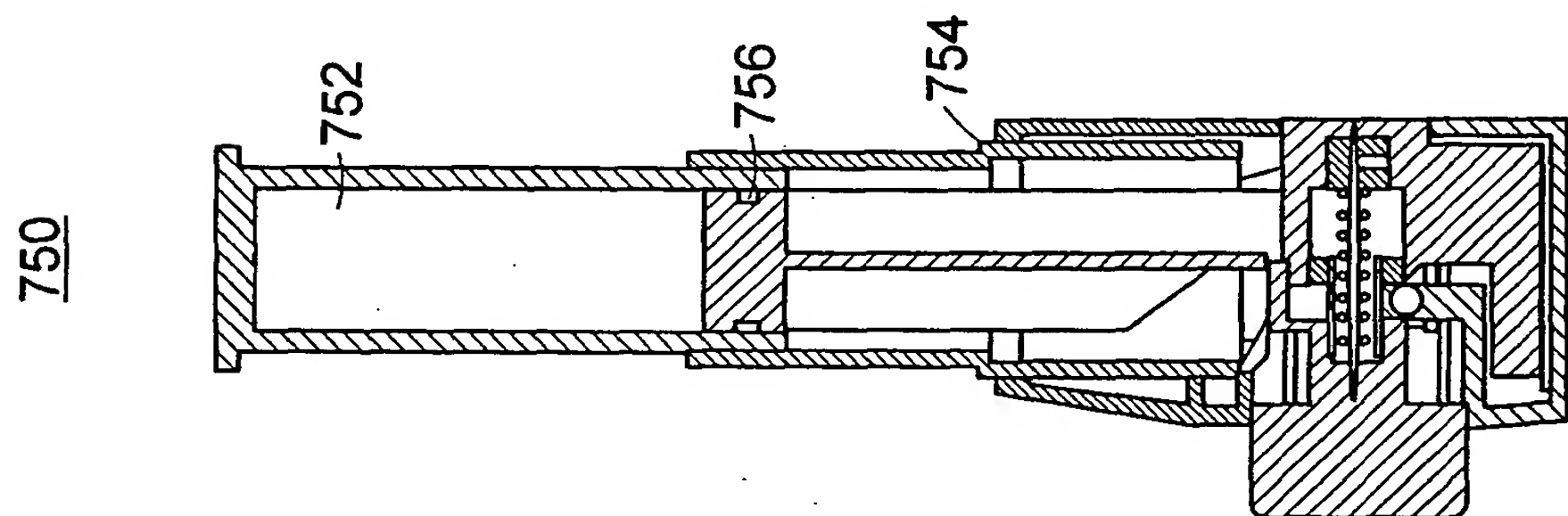


Figure 33B

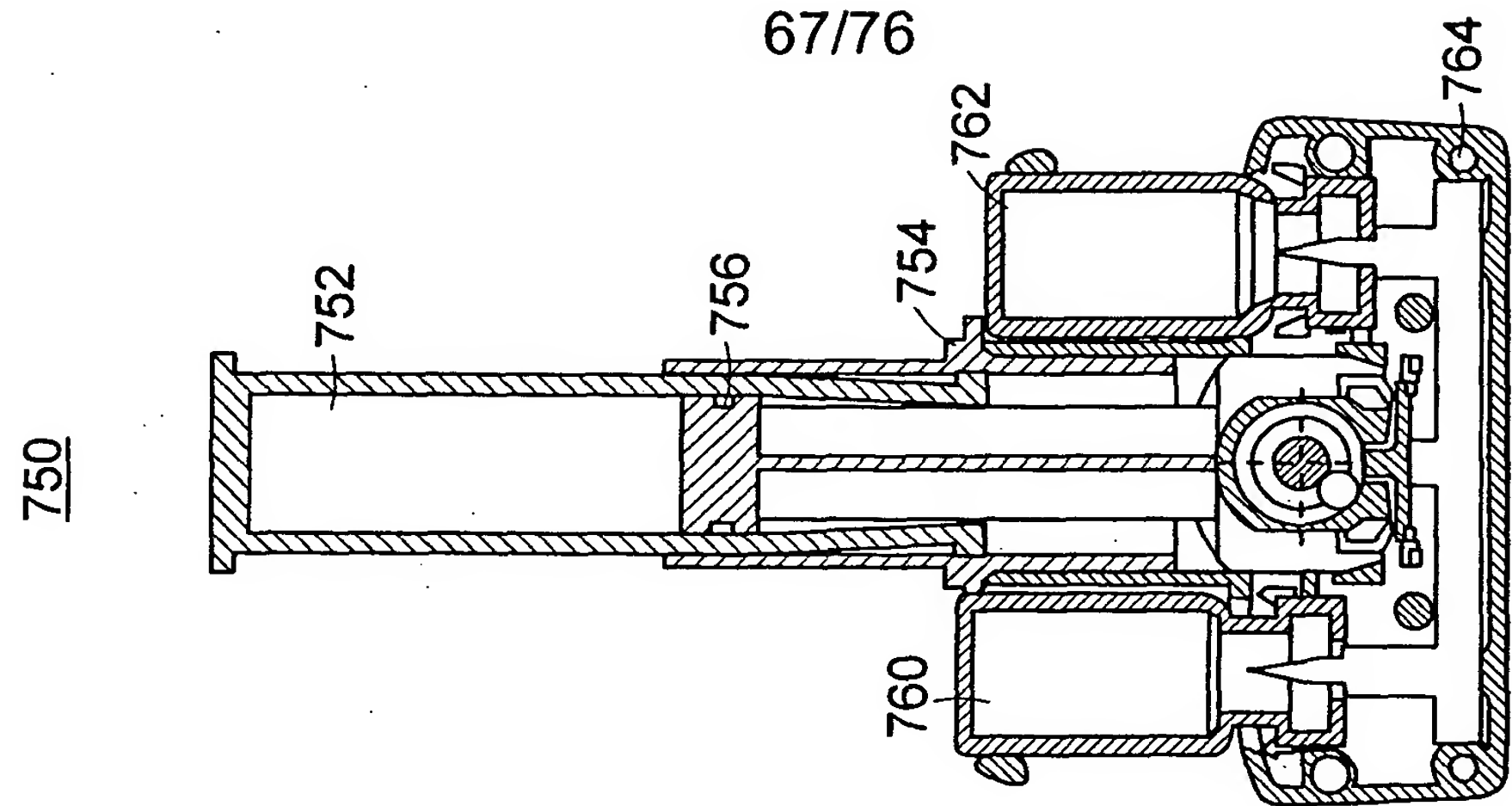


Figure 33C

68/76

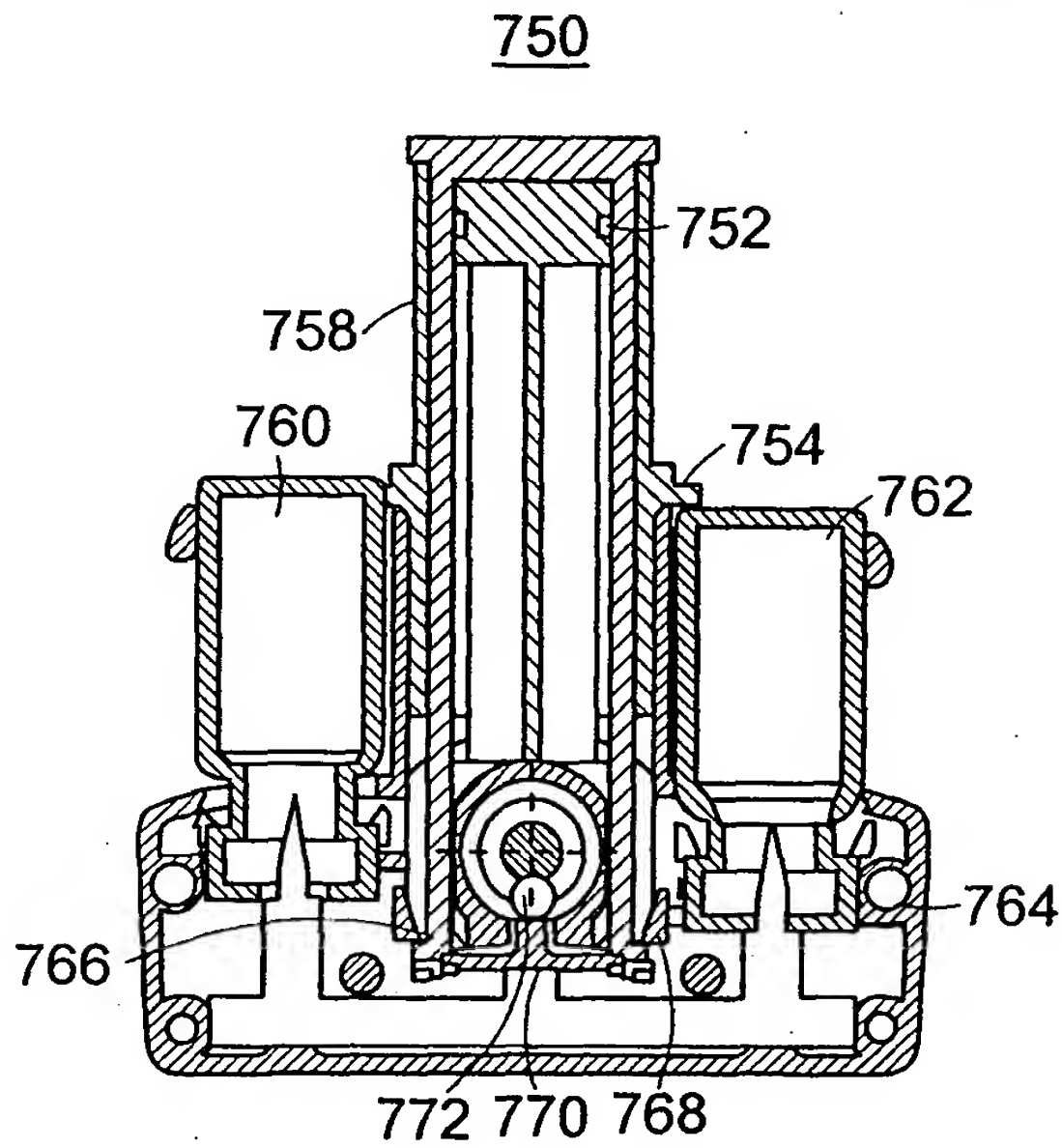


Figure 33D

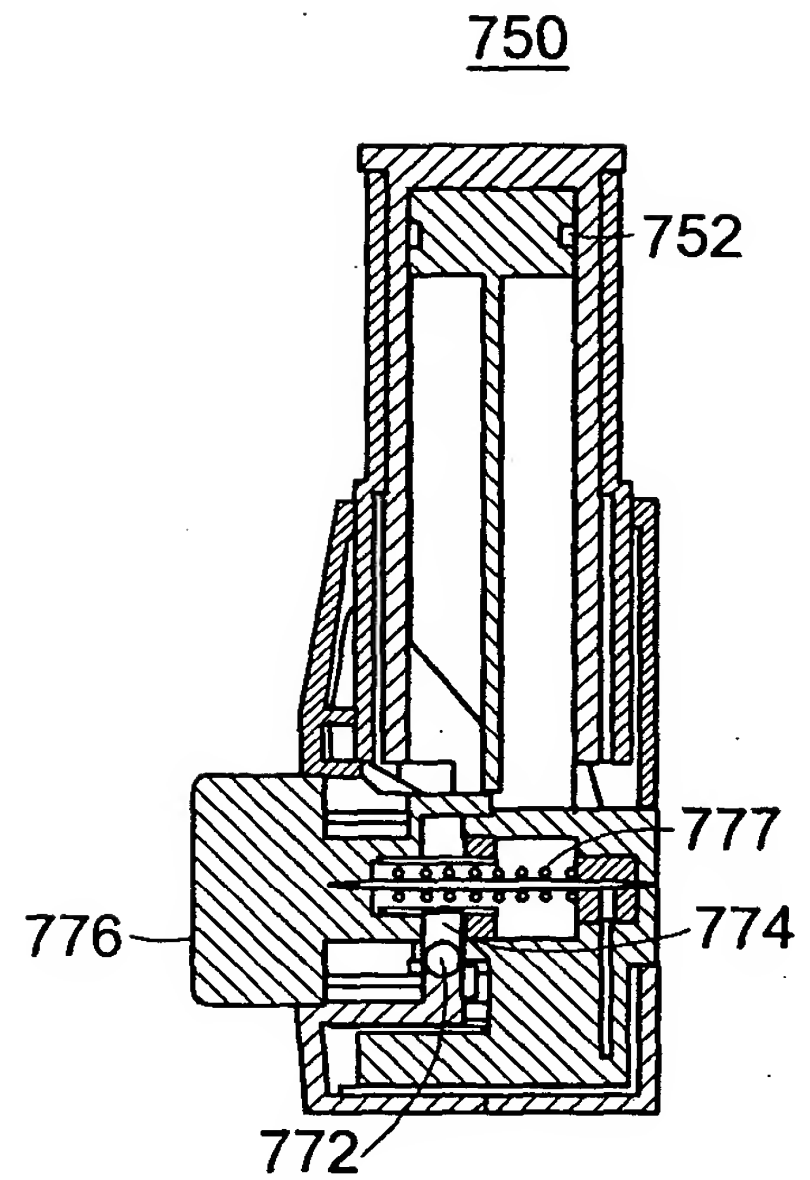


Figure 33E

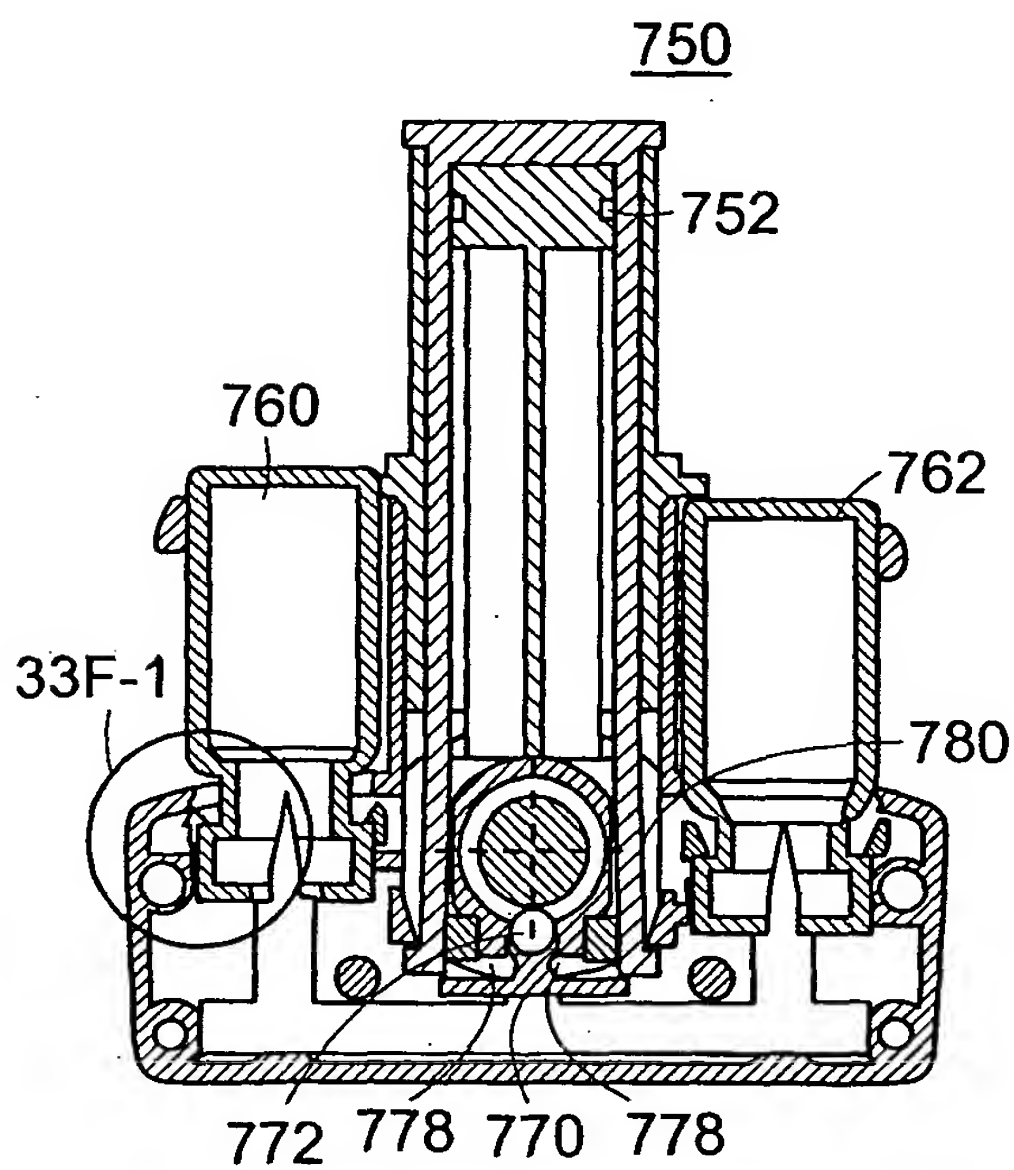


Figure 33F

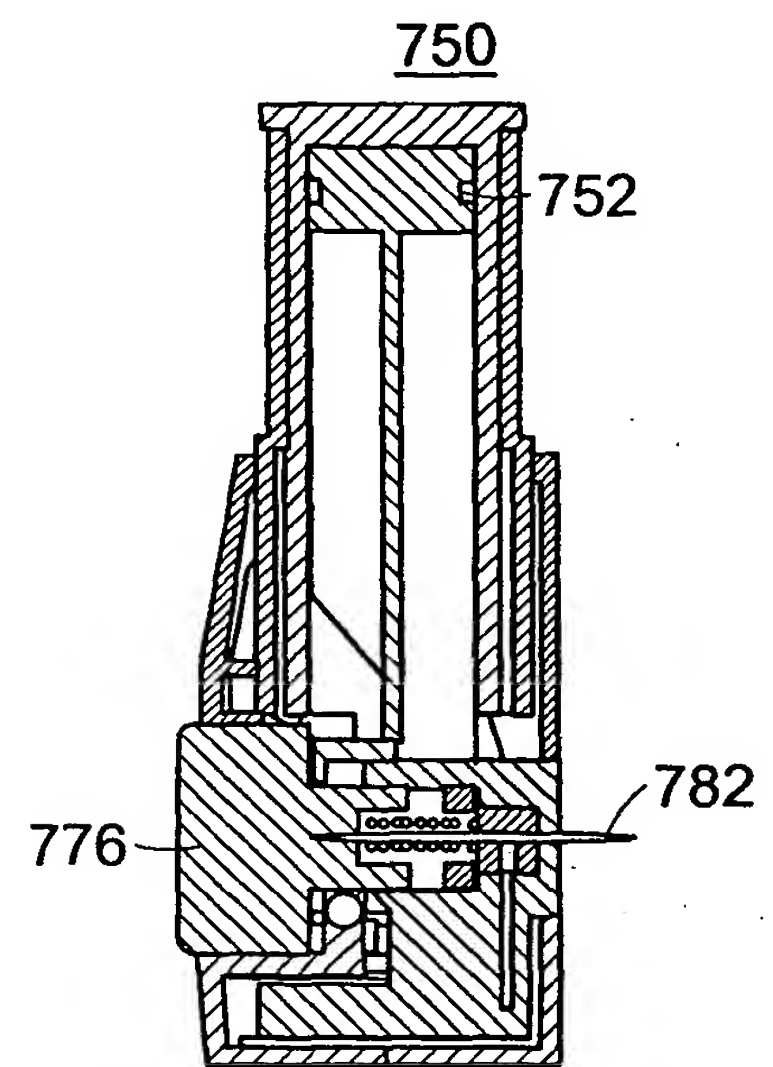


Figure 33G

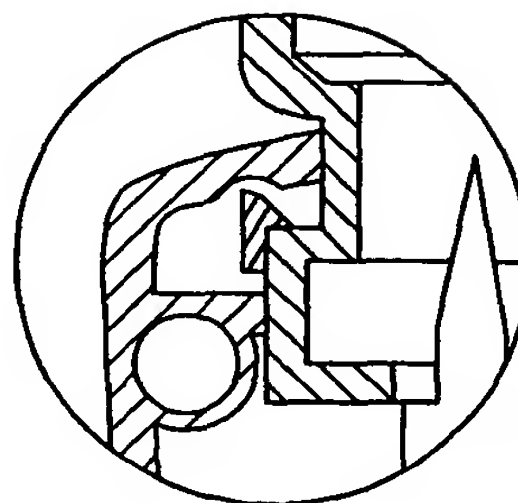


Figure 33F-1

69/76

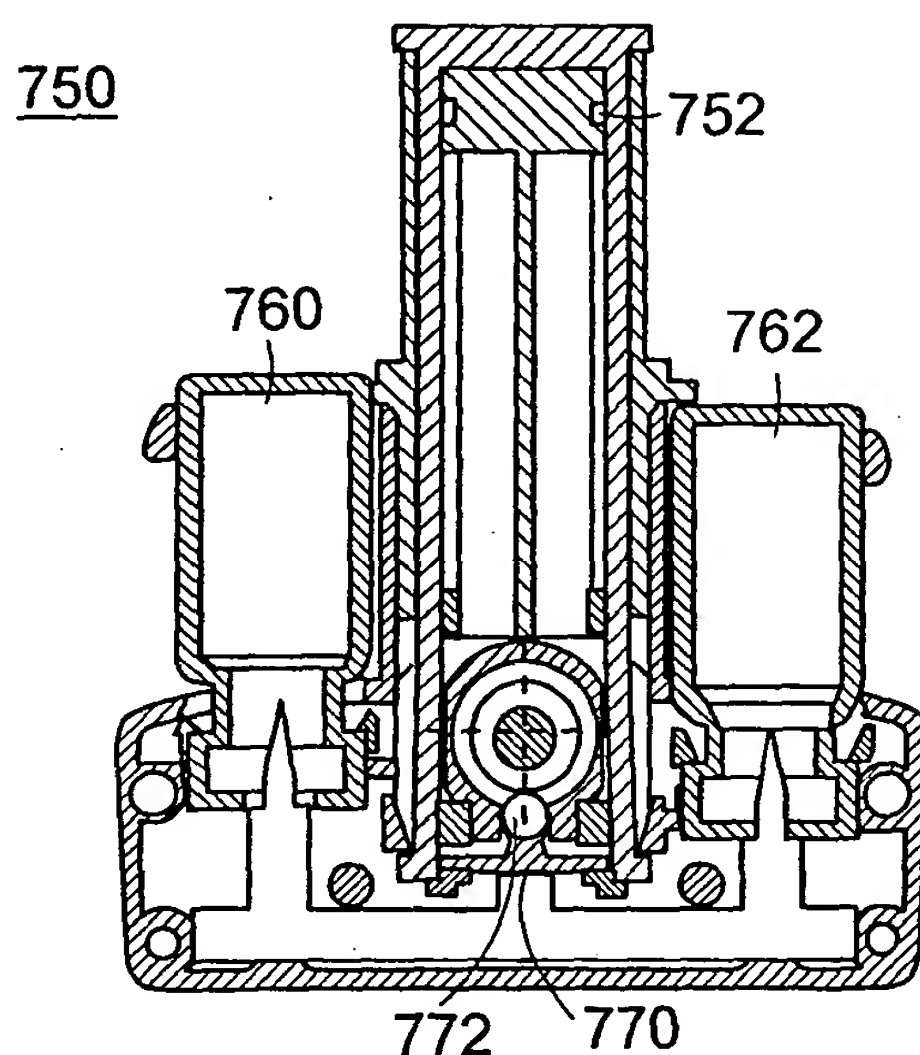


Figure 33H

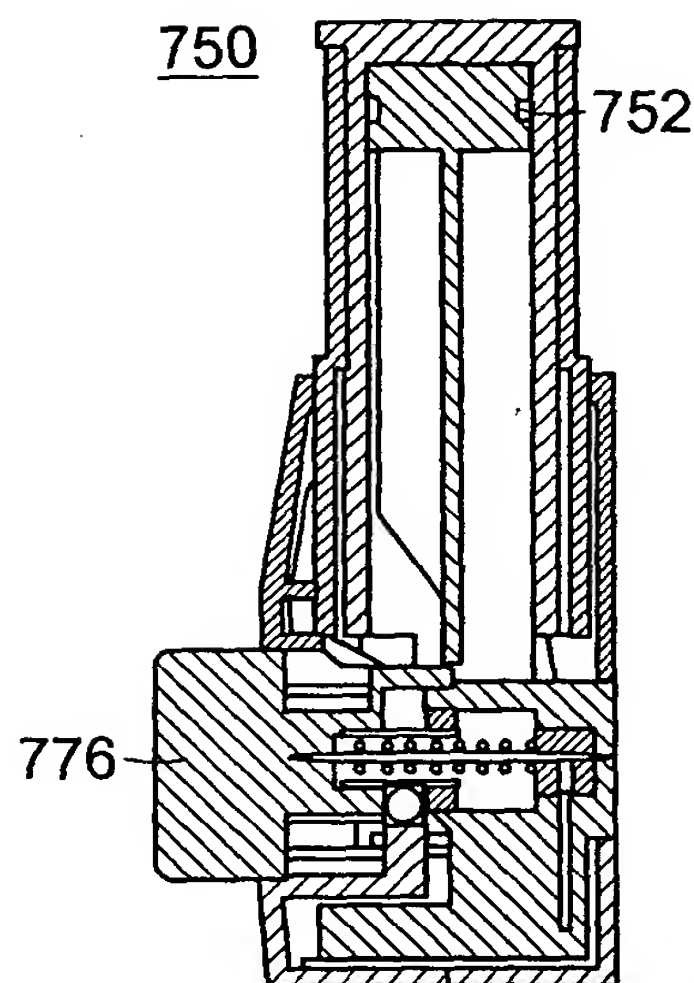


Figure 33I

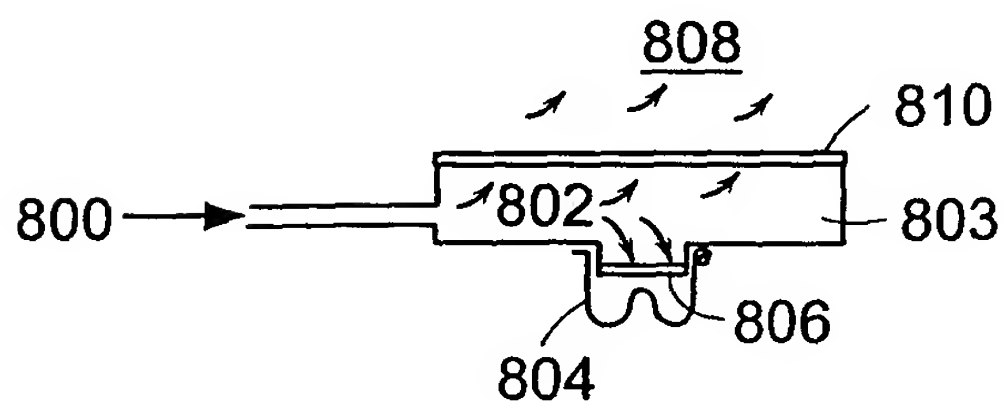


Figure 34A

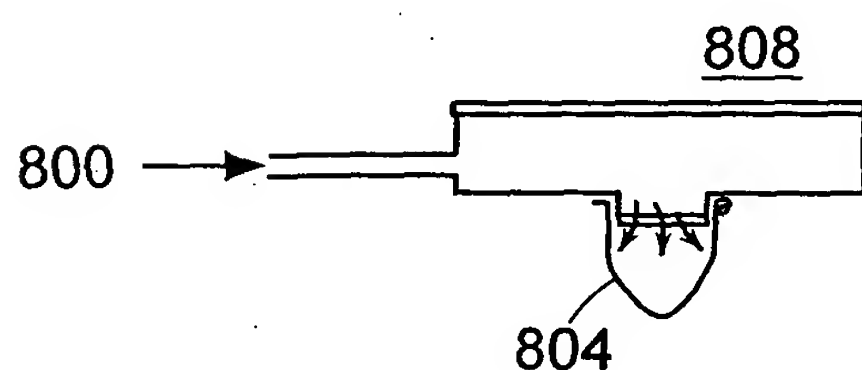


Figure 34B

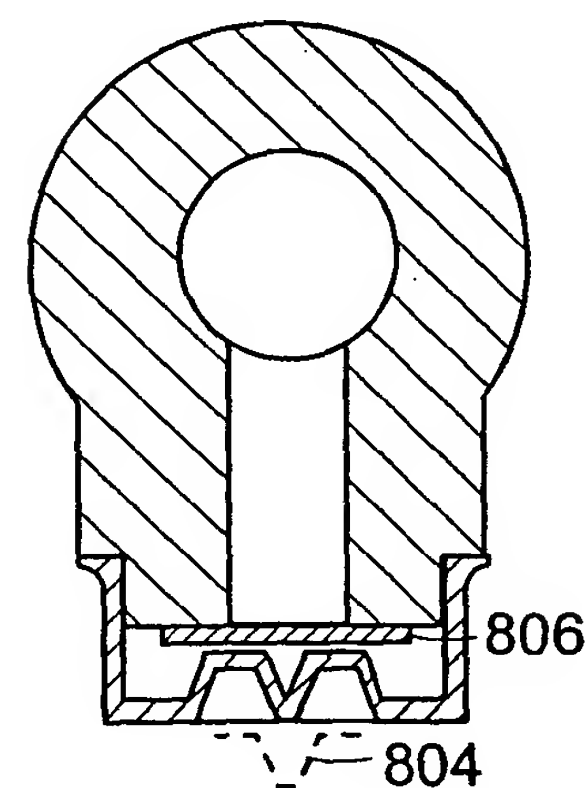


Figure 34C

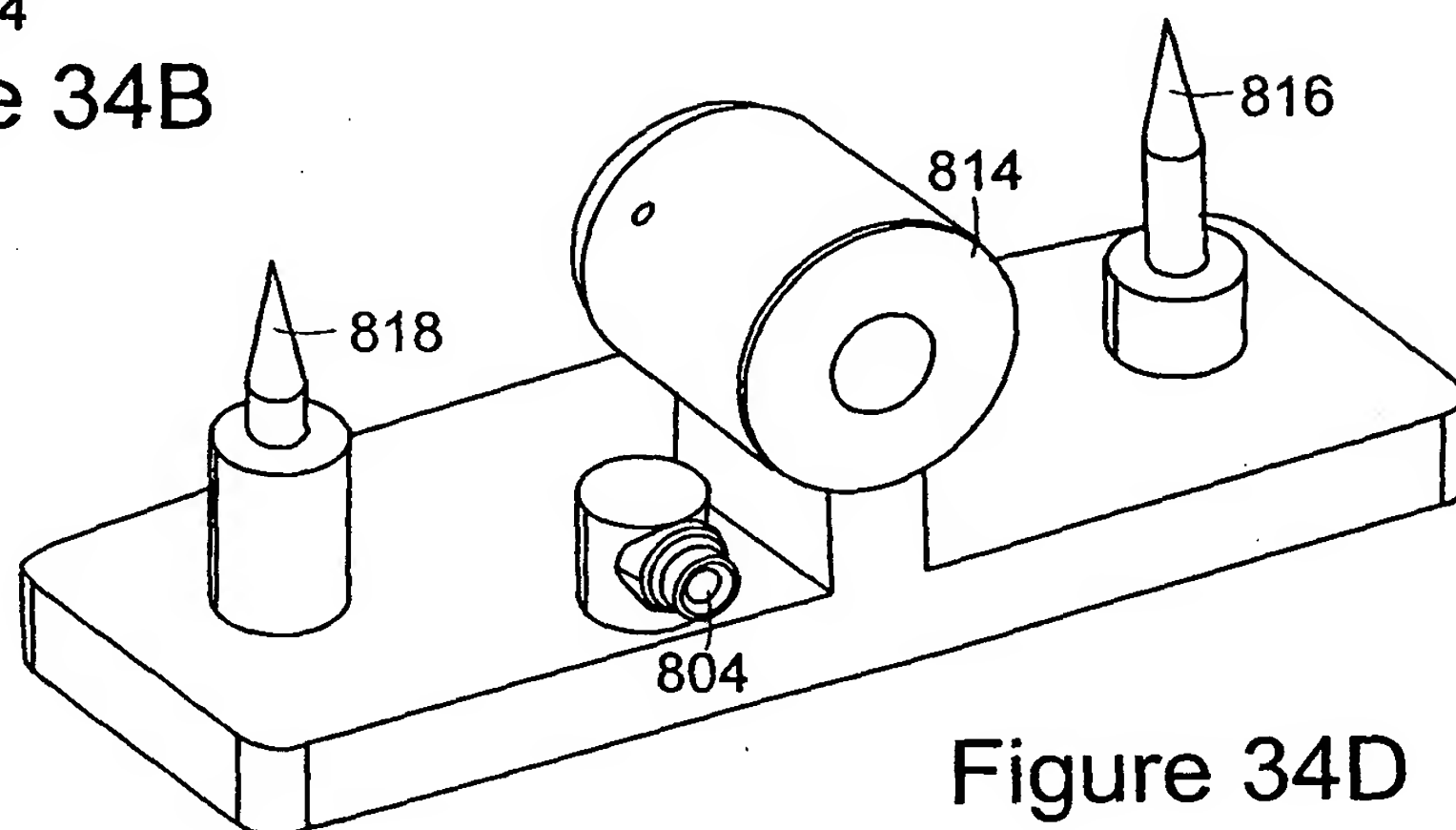


Figure 34D

TYPICAL INJECTION PROFILE  
DELIVERY FROM HIGH VOLUME VIAL

DELIVERY PROFILE ( SIMULATION ) - NO ADDITIONAL AIR.

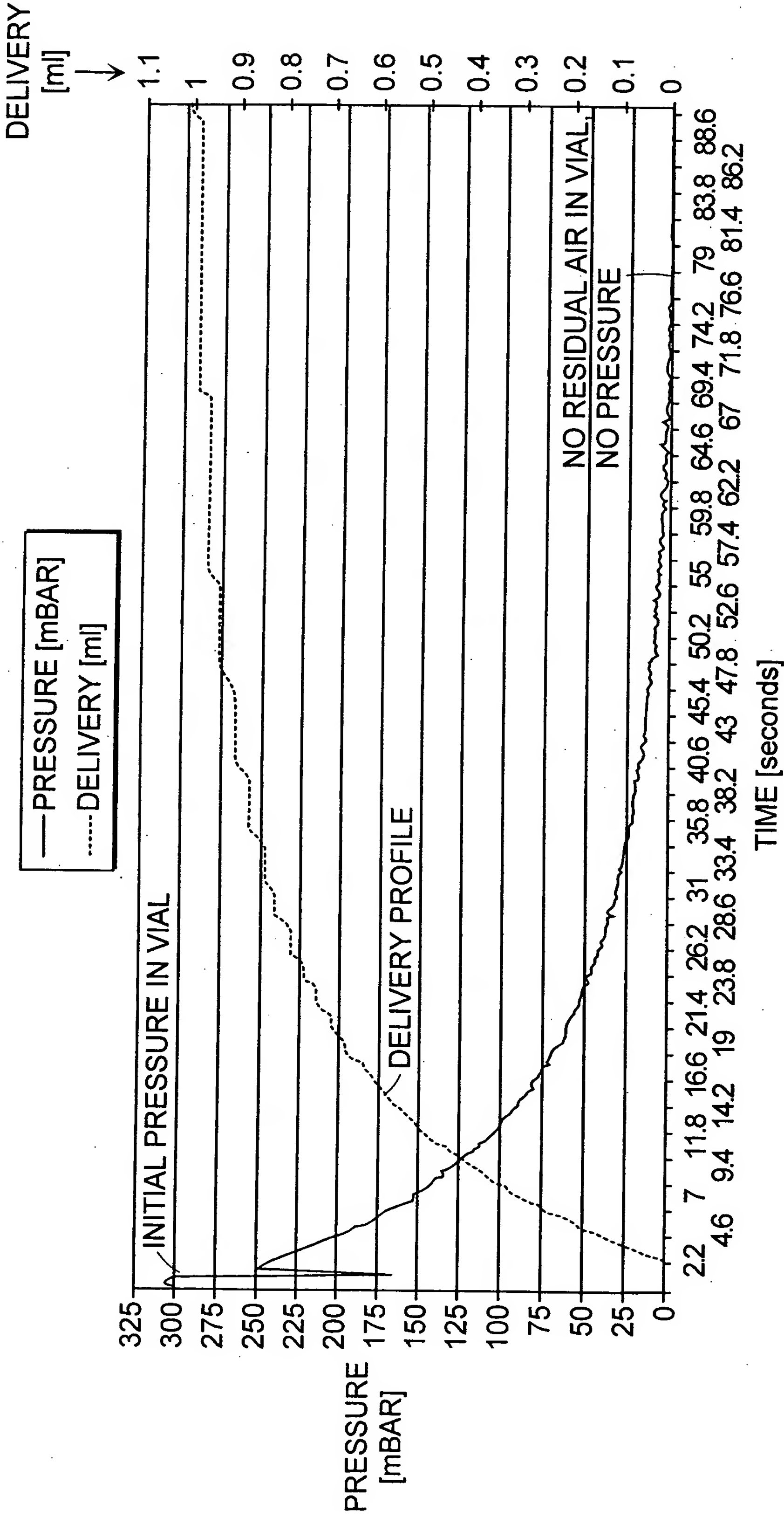


Figure 35

71/76

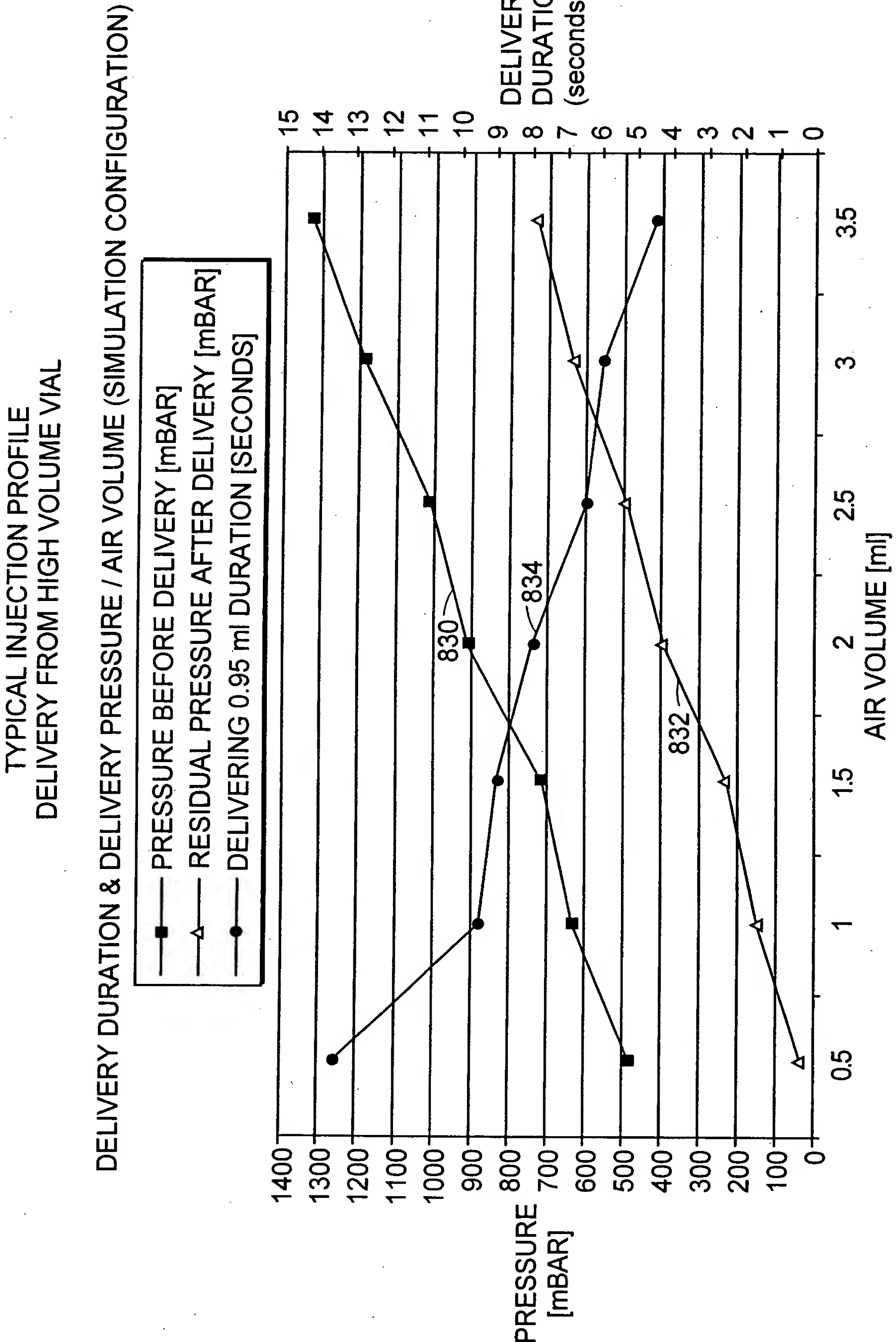


Figure 36

72/76

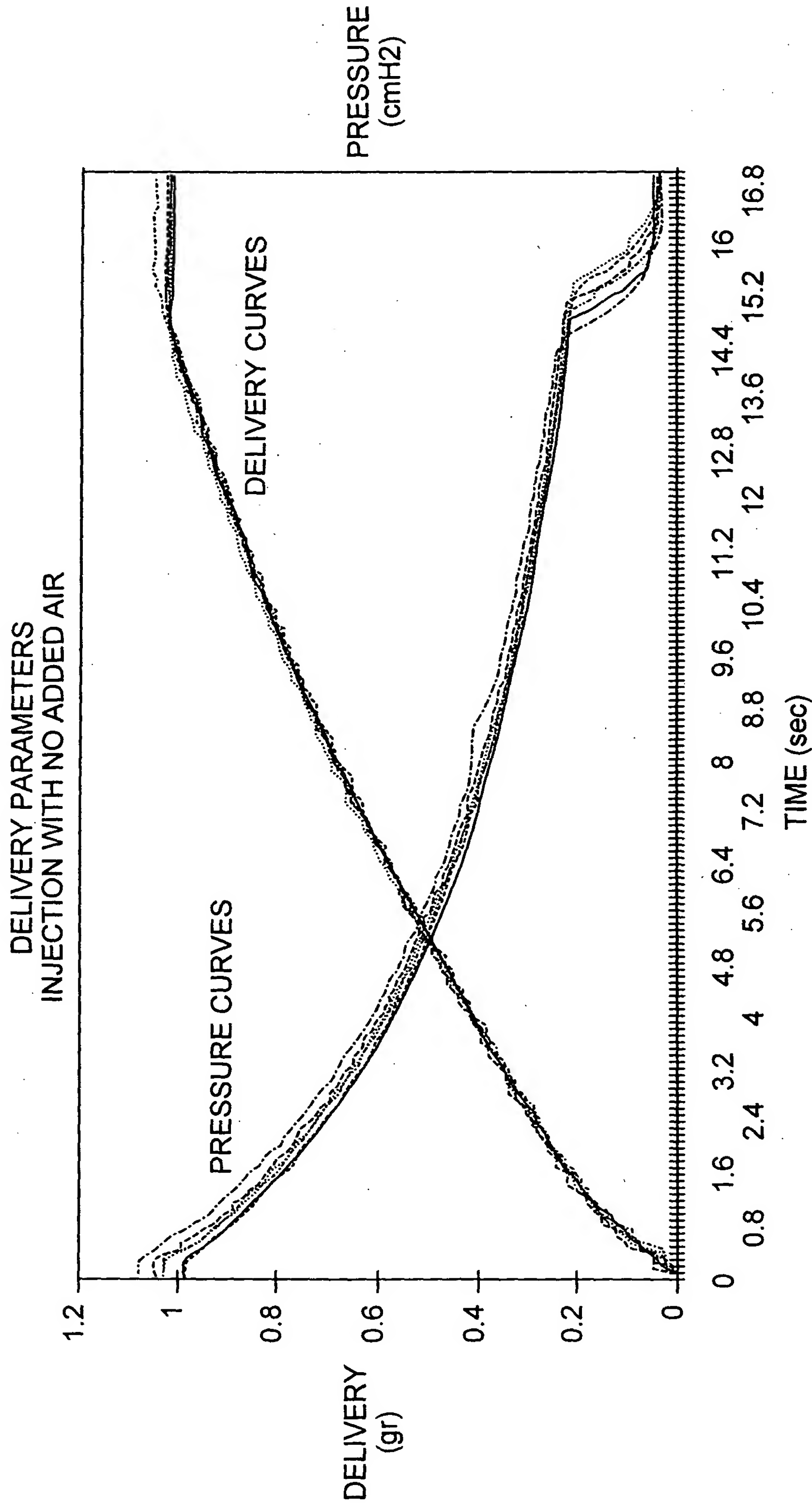


Figure 37



73/76

AIR PRESSURE GRADIENT ON HYDROPHILIC MEMBRANE

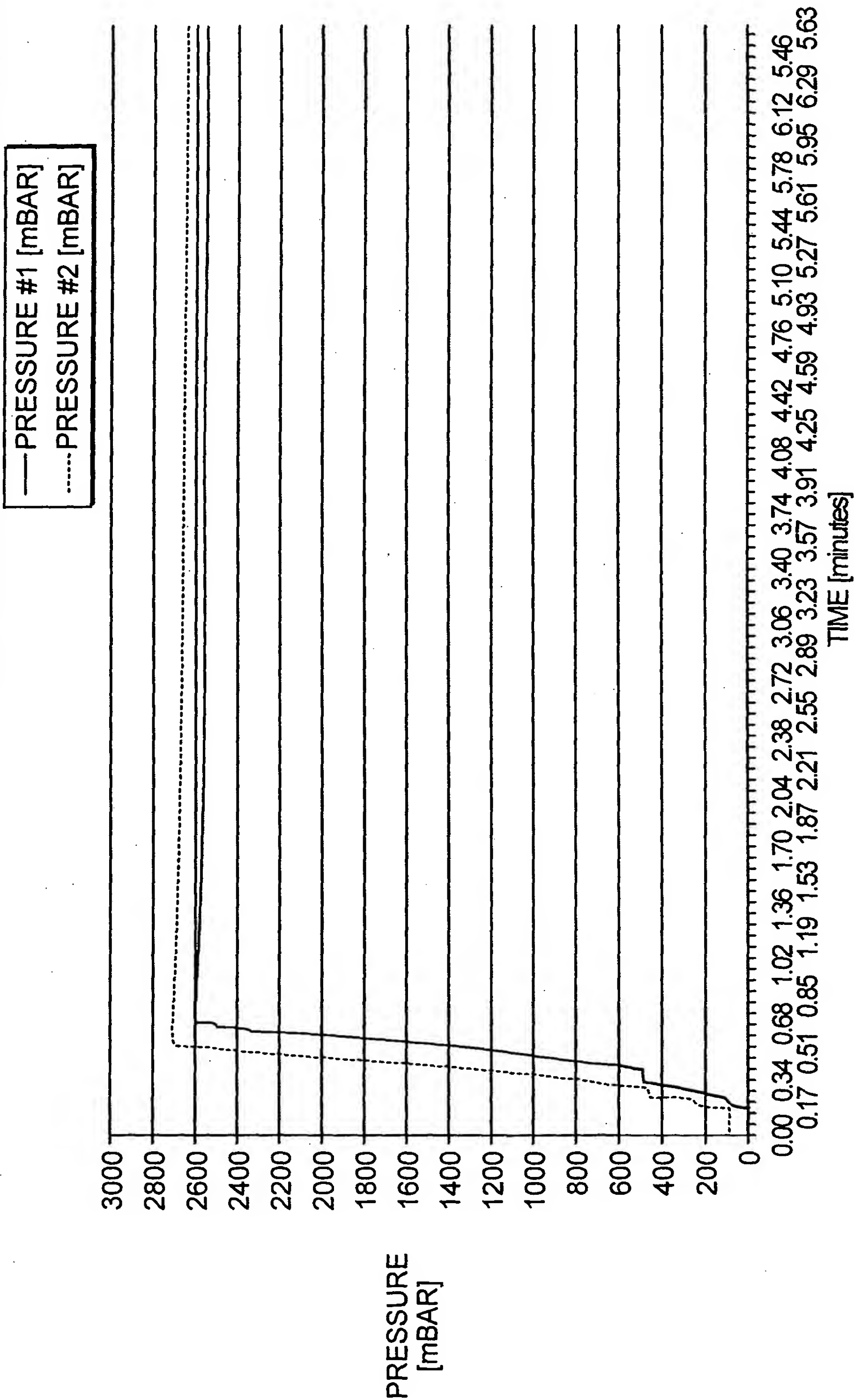


Figure 38

74/76

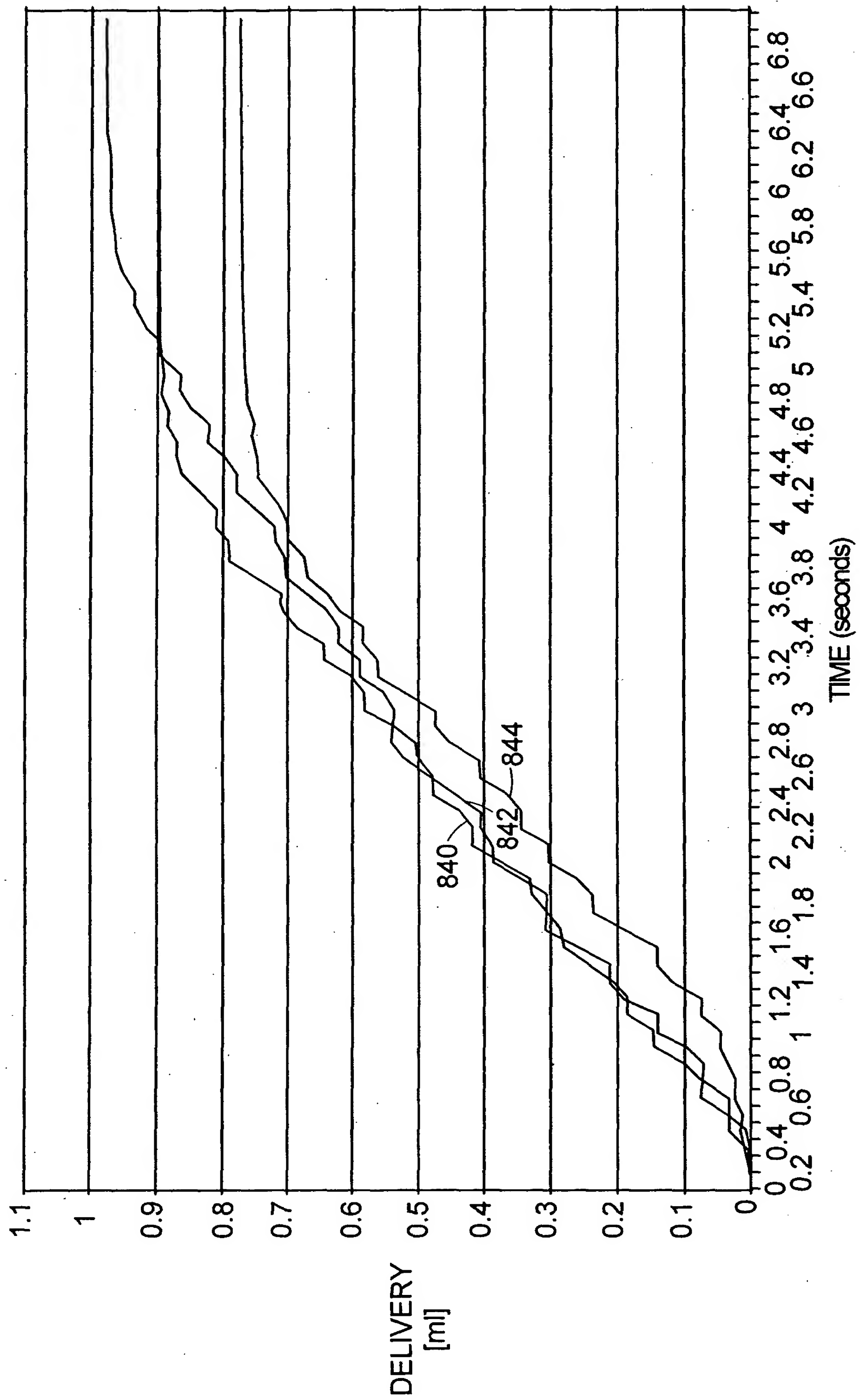


Figure 39

75/76

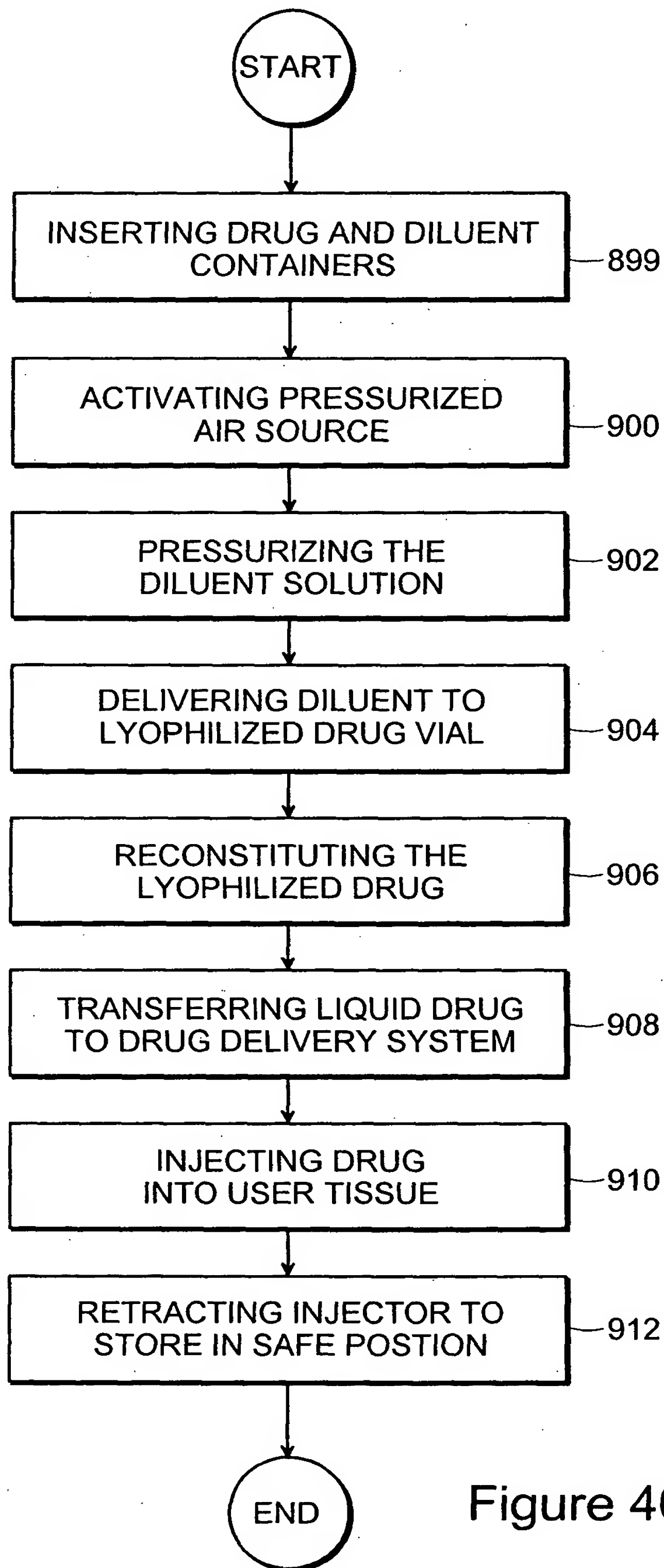


Figure 40

76/76

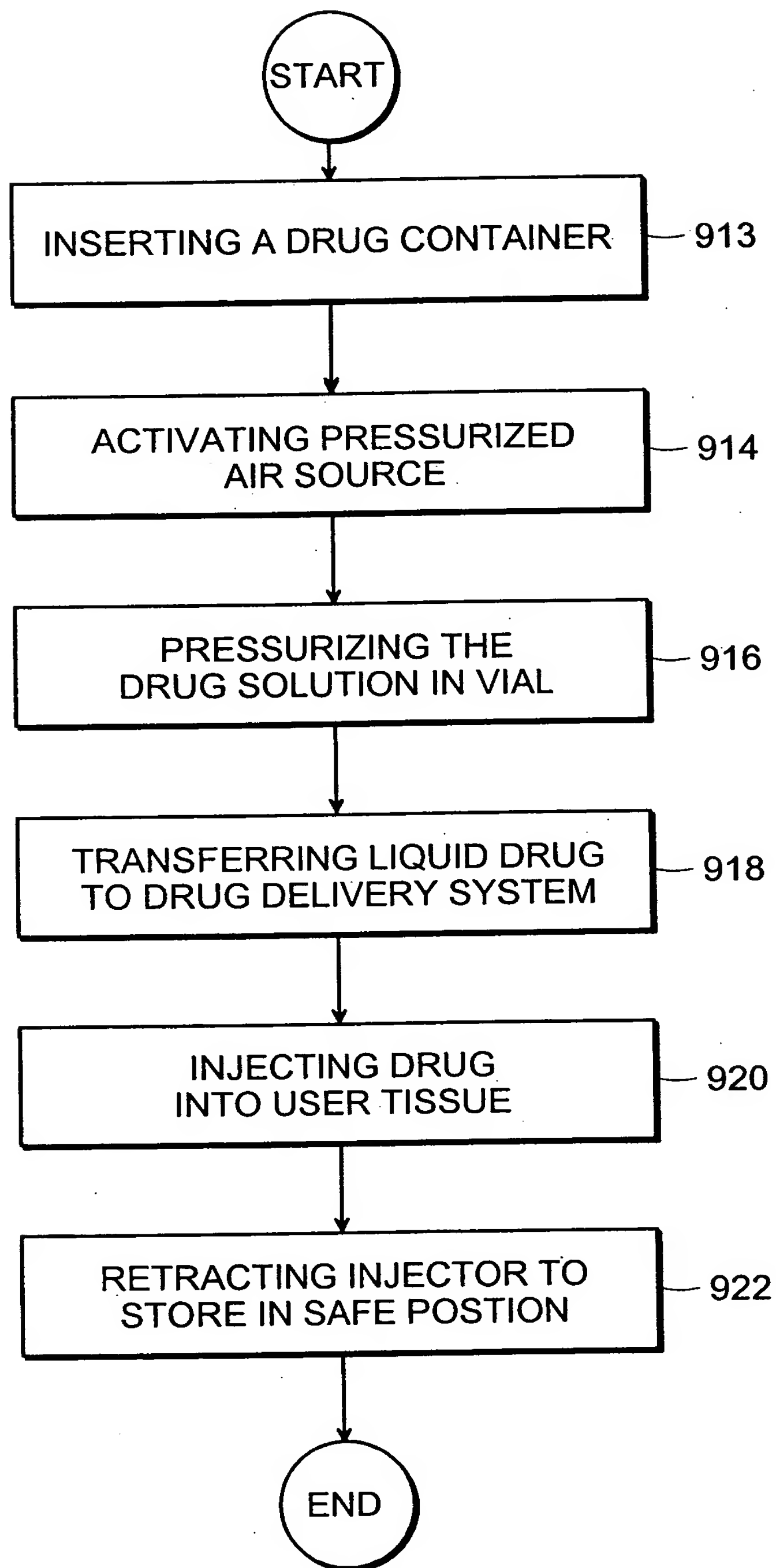


Figure 41